The AMERICAN HOME

10¢

September 1937

26 PAGES on HOUSES - from Connecticut to California and Texas

AIR CONDITIONING : CONIFERS : ANTIQUES : ONE-ROOM HOMES

FIVE ROOMS IN ONE!..

IT'S A STUDY . . .

IT'S A DEN . . .

IT'S A SEWING ROOM . . .

IT'S A FITTING ROOM . . .

IT'S A GUEST ROOM

It can't be done? Yet here is photographic proof of how practical and attractive such a magic space-saver can be. It's a study for Junior, a den for Dad. To Mother it's the sewing room she's always needed. To Sis, who has just reached party age, it's the ideal place for trying on new dresses. Where is the fifth? Come and spend the night, and you'll find it a most friendly guest room. Then you'll fully appreciate how much of its charm comes from the Armstrong's Linoleum Floor. In fact, this newest Armstrong's Embossed effect, design No. 6280, suggested this many-purpose interior. It's so quiet and comfortable underfoot. So restful to look at. And so spick-and-span. "And so easy to keep that way," your hostess will tell you. Threads, paper snips, ashes brush up jiffy-quick. Even if ink spills, a damp cloth takes away all trace. Occasionally the surface is renewed with Armstrong's Linogloss Wax, which needs no polishing. These are but a few of the reasons why Armstrong's Linoleum Floors have grown so popular. The others you'll see at local stores . . . a parade of smart fashions that give no hint of their modest price.

MORE ROOM IDEAS

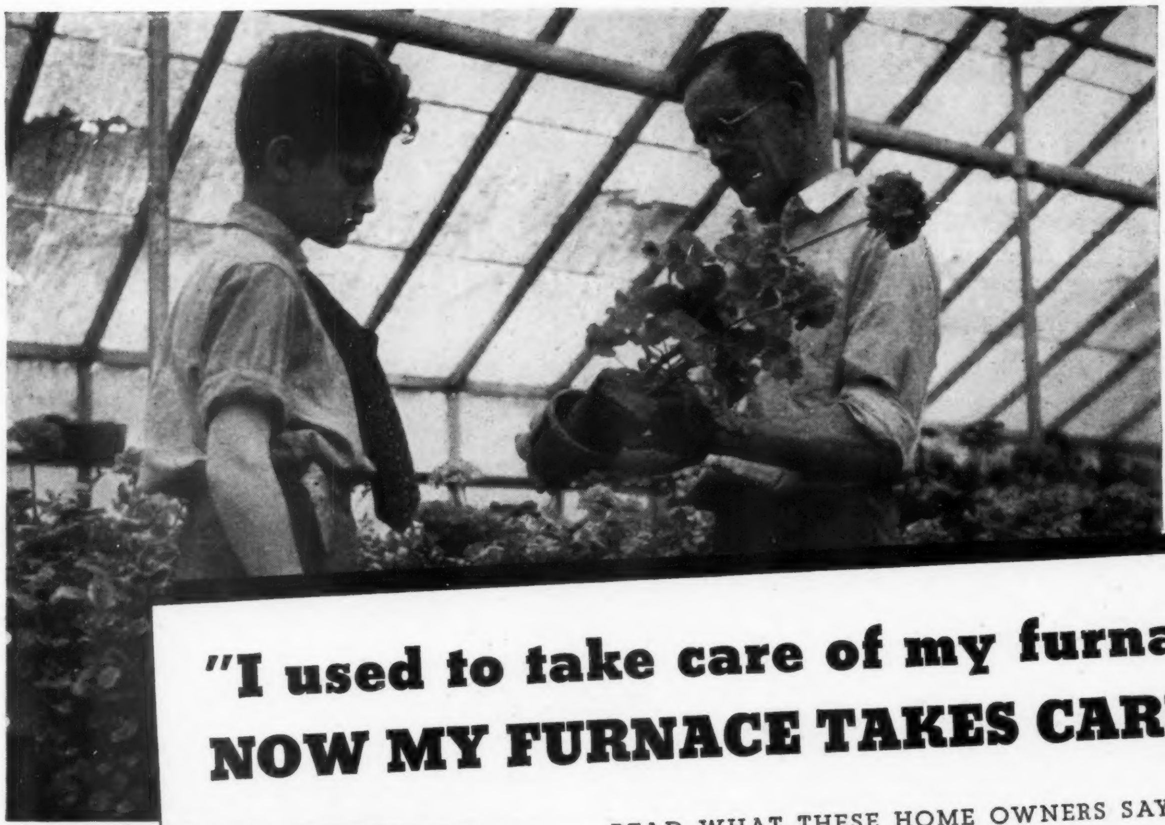
. . . in fact, a whole bookful . . . will be sent you if you write for "Floors That Keep Homes in Fashion." Shows different types of interiors in full, natural color. Explains a simple method for planning correct color schemes. Send 10¢ to cover mailing (40¢ outside U. S. A.). Address your request to Armstrong Cork Products Company, Floor Division, 3709 Pine Street, Lancaster, Pennsylvania. (Makers of cork products since 1860)

Complete specifications for this room will be sent to you free on your request

ARMSTRONG'S LINOLEUM FLOORS

for every room (A) *in the house*

PLAIN · INLAID · EMBOSSED · MARBELLE · JASPÉ · RAYBELLE · MONOBELLE · PRINTED · QUAKER RUGS *and* LINOWALL



FUEL BILL CUT IN HALF! "I chose the G-E Oil Furnace for my home on account of its life-time service. It has given me great satisfaction since it was installed three years ago, and I am now planning to equip my greenhouse with the same type of furnace, as we find it has cut our fuel bill in half."
GEORGE E. NAGENGAST, *Florist*

"I used to take care of my furnace . . . NOW MY FURNACE TAKES CARE OF ME!"

READ WHAT THESE HOME OWNERS SAY ABOUT GENERAL ELECTRIC AUTOMATIC HEATING AND AIR CONDITIONING

"I used to take care of my furnace—now my furnace takes care of me. We had a coal furnace for 25 years. Took care of it ourselves and it was hard work for my wife when I was away. We installed a G-E Gas Furnace 18 months ago.

"It costs $144.00 a year to heat our eight room house and the two glass enclosed porches. The heat is always steady and even. We even keep plants on the porches during the winter."
ALBERT G. DOIG

PROVED ITS WORTH DURING SICKNESS! "I wanted the best I could buy so nothing would satisfy me but a G-E Gas Furnace.

"The Furnace proved its worth during sickness in our home because it kept an even temperature. Otherwise we would have had to send mother to the hospital."
MRS. C. FUNARATTO

←NO MORE HEATING WORRIES! "For ten years a furnace man took care of my little home. When he retired at the age of 80, I was frantic. I even thought of selling my place and moving into an apartment. A friend came to my rescue and told me of the wonderful G-E Oil Furnace. Within 24 hours one was installed, and I have had no more worries."
MRS. E. A. M., *Albany*

←LIVING CAPACITY INCREASED ONE-THIRD! "By changing the old-fashioned cellar and installing a G-E Oil Furnace, the living capacity of my house has been increased one-third. This was made possible by the compact G-E unit. The added room has made it possible to live in comfort with a family of six in a comparatively small house."
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I AM GLAD YOU ARE GOING TO BUILD, TOM. BUT LET ME GIVE YOU THIS ADVICE. BUILD WITH THE INSULITE WALL OF PROTECTION. I DID, AND IT WAS THE BEST MOVE I MADE IN BUILDING THE HOUSE
AND YOU'LL LOVE YOUR WALLS PANELLED WITH INSULITE, MOLLY! THEY'RE BEAUTIFUL!

THE INSULITE WALL OF PROTECTION

Provides Balanced Insulation as it Builds.
NO EXTRA MATERIALS are Necessary

Insulite Bildrite Sheathing and Insulite Interior Finish products form the Insulite Wall of Protection, and they insulate as they build. The Insulite Wall of Protection gives you these outstanding structural advantages:

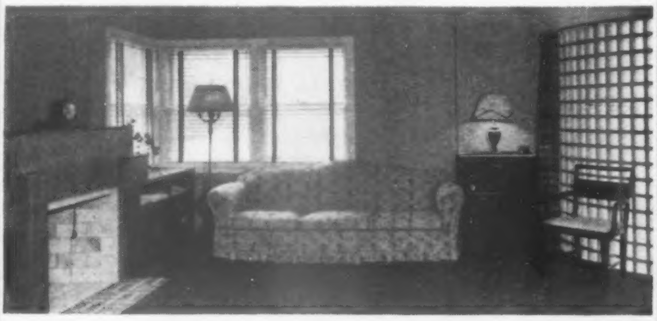
Stronger, windproof, weathertight walls . . . Walls that prevent infiltration of dampness and humidity . . . Walls that prevent Internal condensation and moisture accumulation . . . Walls protected against attack by termites, rot and fungi . . . Walls with balanced insulation, making homes warmer in winter and cooler in summer.

Consult your architect or dealer for complete information, or send coupon for home-builders manual, "Increasing Home Enjoyment." The Insulite Company, Minneapolis, Minnesota.

Insulite Products Are Protected Against Attack By Termites, Rot And Fungi, And Have Always Been Guaranteed.

THE INSULITE WALL OF PROTECTION AT A GLANCE

Bildrite Sheathing for outer walls gives you: Effective insulation . . . Windproof walls . . . No open joints or knotholes . . . Four times the bracing strength of ordinary wood sheathing . . . A waterproofed wall that cannot buckle, warp or sag.

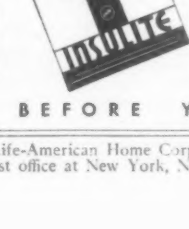


Insulite Interior Finish products, used on interior walls, give you: A second wall of insulation . . . The charm and beauty of panelled and tiled interiors . . . Permanent decoration . . . Sound quieting within the room . . . Light reflection without glare.

WALL of PROTECTION by

INSULITE

Modern Materials for Modern Building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Please send me without obligation your free book on home building and modernizing, "Increasing Home Enjoyment."

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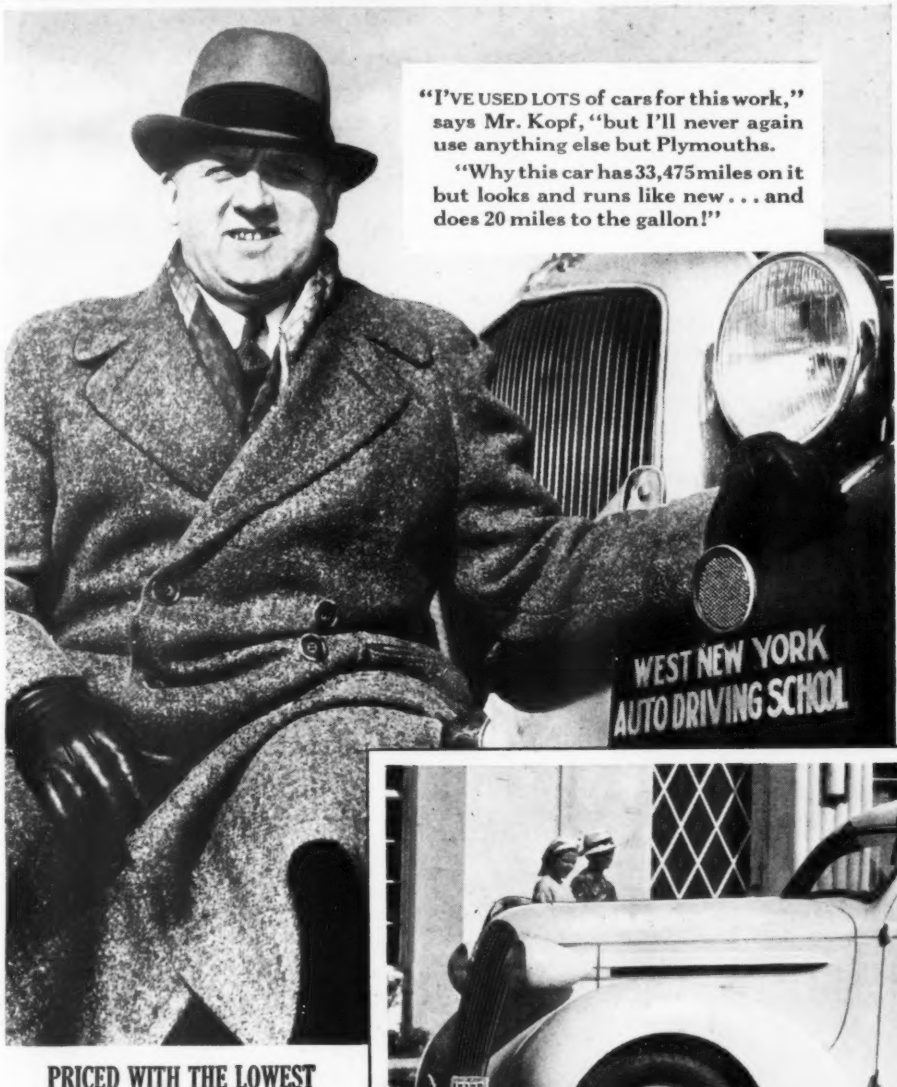
IT WILL PAY YOU TO SEE AN ARCHITECT BEFORE YOU BUILD OR MODERNIZE

THE AMERICAN HOME, September, 1937. Published monthly. Vol. XVIII, No. 4. Published by the Country Life-American Home Corp., 444 Madison Ave., New York, N. Y. Subscription price $1.00 a year. Foreign $2.00. Entered as second class matter December 31, 1935, at the post office at New York, N. Y., under act of Congress, March 2, 1879.

DRIVING SCHOOL PICKS PLYMOUTH

"GREENHORNS" PROVE IT'S TOUGHEST

The Car that Stands Up Best— *Plymouth has made a remarkable record of reliability for William H. Kopf, owner of West New York Auto Driving School. He uses a Plymouth to teach driving. Read his amazing story.*



"I'VE USED LOTS of cars for this work," says Mr. Kopf, "but I'll never again use anything else but Plymouths.

"Why this car has 33,475 miles on it but looks and runs like new . . . and does 20 miles to the gallon!"

TODAY'S PLYMOUTH has Even More Long Life and Reliability

"GREENHORN DRIVERS certainly maul this Plymouth," says Mr. Kopf, "but Plymouth can take it!" AND TODAY'S BIG Plymouth has additional long-life and reliability features.

You get, of course, *double-action* hydraulic brakes and an all-steel body. And there's more comfort in Plymouth's new scientific sound-proofing, big airplane-type shock-absorbers, rubber body mountings.

Owners report 18 to 24 miles per gallon...lowest oil consumption...lowest upkeep of any low-priced car.

Compare "All Three" low-priced cars...see *why* this Plymouth is the biggest all-round value...the best buy...the car that stands up best.—PLYMOUTH DIVISION OF CHRYSLER CORPORATION, Detroit, Michigan.

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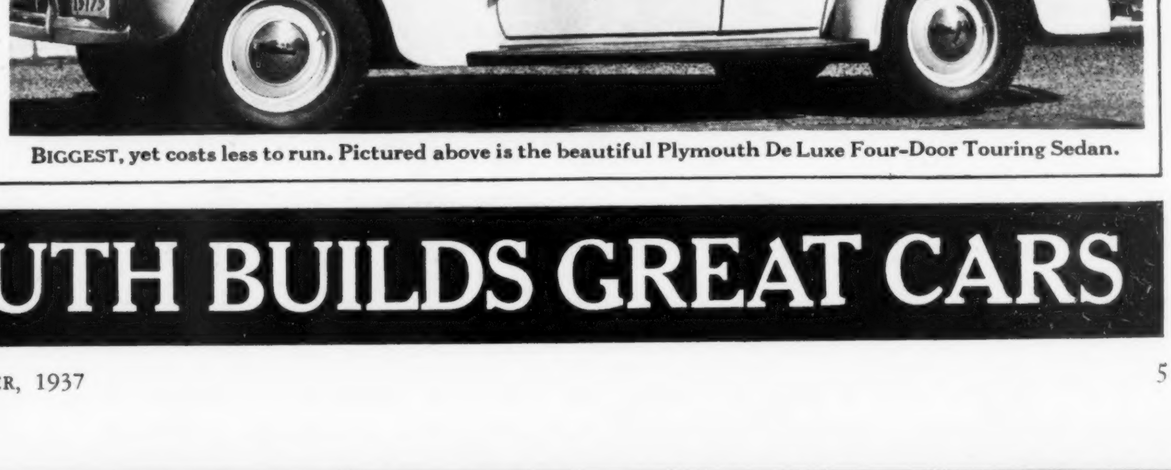
The Commercial Credit Company has made available very easy payment terms, through De Soto, Chrysler and Dodge dealers.

TUNE IN MAJOR BOWES' Amateur Hour— Columbia network, Thursdays, 9 to 10 p. m., E. D. S. T.



BIGGEST, yet costs less to run. Pictured above is the beautiful Plymouth De Luxe Four-Door Touring Sedan.

PLYMOUTH BUILDS GREAT CARS

Home of Dr. E. C. Cranston.
Shawnee, Oklahoma

Home of Mrs. Edward T. Kelley.
Portsmouth, Ohio

Top, Center: Garden of
Mrs. Alexander Hamilton, Jr.,
Morrisville, Pennsylvania

Home of
Mrs. Annie F. Howard,
Republic, Missouri

Center: Home of
Mrs. Marjorie J. Terbune
Park Ridge, New Jersey

Left: Home of Mrs. L. A. Rohr,
Davenport, Iowa

Pool of Mr. F. E. Parcel,
Winfield, Kansas

SEPTEMBER, 1937

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Home of Mr. George B. Frey,
Kutztown, Pennsylvania

Home of Mr. and Mrs. Chas. A. McGraw,
Pepperell, Massachusetts

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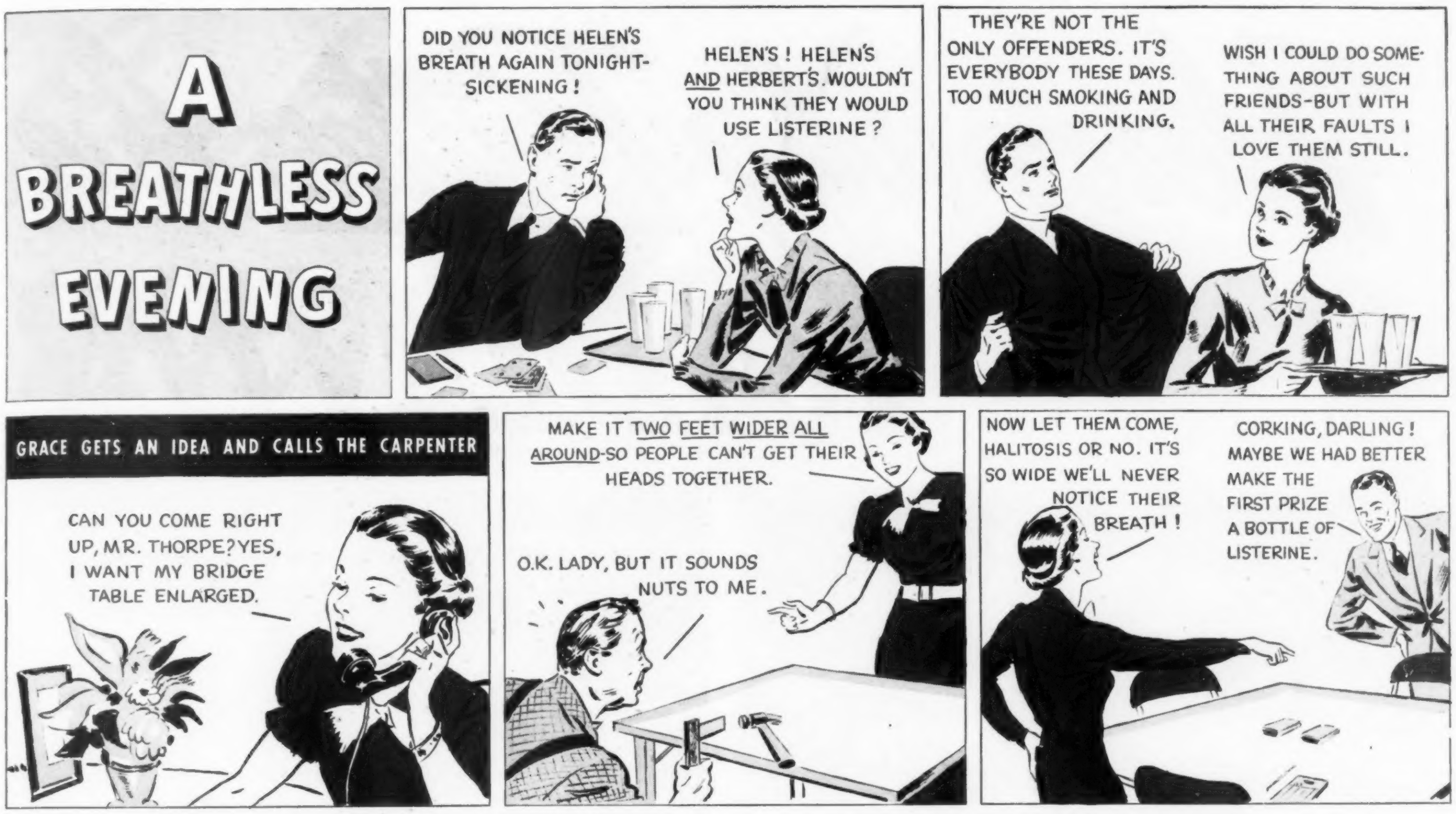

A BREATHLESS EVENING
DID YOU NOTICE HELEN'S BREATH AGAIN TONIGHT- SICKENING!
HELEN'S! HELEN'S AND HERBERT'S. WOULDN'T YOU THINK THEY WOULD USE LISTERINE?
THEY'RE NOT THE ONLY OFFENDERS. IT'S EVERYBODY THESE DAYS. TOO MUCH SMOKING AND DRINKING.
WISH I COULD DO SOMETHING ABOUT SUCH FRIENDS-BUT WITH ALL THEIR FAULTS I LOVE THEM STILL.
GRACE GETS AN IDEA AND CALLS THE CARPENTER
CAN YOU COME RIGHT UP, MR. THORPE? YES, I WANT MY BRIDGE TABLE ENLARGED.
MAKE IT TWO FEET WIDER ALL AROUND-SO PEOPLE CAN'T GET THEIR HEADS TOGETHER.
O.K. LADY, BUT IT SOUNDS NUTS TO ME.
NOW LET THEM COME, HALITOSIS OR NO. IT'S SO WIDE WE'LL NEVER NOTICE THEIR BREATH!
CORKING, DARLING! MAYBE WE HAD BETTER MAKE THE FIRST PRIZE A BOTTLE OF LISTERINE.

So she built her bridge table two feet wider

WHY OFFEND NEEDLESSLY? Modern habits explain why so many people have halitosis—(bad breath). The sad part of it is that you never know when you offend, but others do, and hence avoid you.

If you want to make sure that your breath is beyond reproach get in the habit of using Listerine Antiseptic every morning and every night, and between times for social or business engagements.

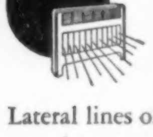
Listerine Antiseptic halts fermentation in the mouth, the major cause of odors, and overcomes the odors themselves. Your mouth feels wonderfully fresh and clean and your breath is sweeter, wholesome and more agreeable. Lambert Pharmacal Co.

For Halitosis (BAD BREATH) *use* LISTERINE

Here's why Better Air RADIATOR

BETTER AIR CONDITIONING NEEDS THE WARM FLOORS THAT RADIATORS GIVE!

Sun-like Radiant Heat from new-style radiators warms living levels—increases P. C.*



Hot air goes up . . . cold air stays down . . . but RADIANT HEAT from the latest, scientific, concealed radiators of the American Radiator Company just "sticks around"!

Lateral lines of heat at living levels! . . . that's RADIANT HEAT . . . same as heat rays from the sun! . . . flowing from smart, new-style radiators and following your every movement with a protective aura of warmth!

In addition, a radiator under the window halts cold drafts that come in at the window and gives the finishing touch to a modern window ensemble! — makes areas near windows warm and livable! — makes floors warm! — makes you comfortable!

BETTER AIR CONDITIONING NEEDS AN AIR CIRCULATION DUCT SYSTEM INDEPENDENT OF THE HEATING SYSTEM!

A houseful of guests—smoke-filled rooms—P. C.* often calls for circulating air from ducts — but without heat!

When you have a houseful of guests and want circulating air without heat . . . that's when you need an air-duct system and a radiator heating system capable of independent operation.

Ordinary air-conditioning provides air circulation only when the thermostat calls for heat . . . but the New American Radiator Conditioning System gives you a constant supply if, as and when you want it, even when no heat is required.

These newer systems — with ducts for air circulation and radiators for heating—give you the complete flexibility of independent operation which spells comfort, satisfaction and economy under all conditions.

*PERSONAL COMFORT

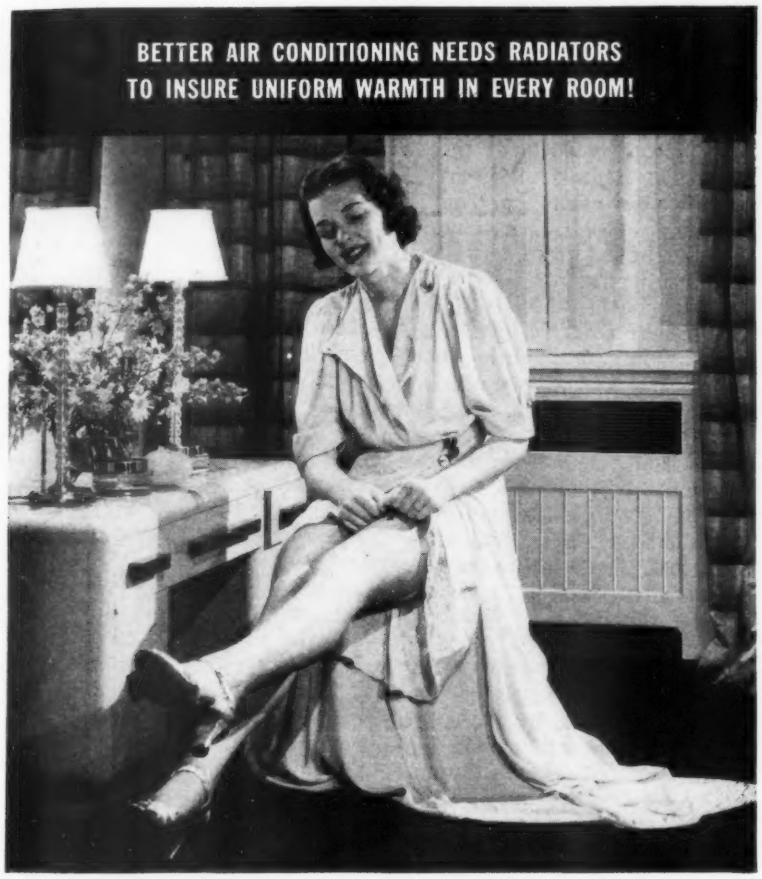
☎ *To locate nearest American Radiator dealer look in your classified telephone directory under "Air Conditioning Contractors" or "Heating Contractors."*

LISTEN IN ! American Radiator Fireside Recital . . . every Sunday 7:30 P.M. E.D.S.T. WEAF-NBC Network.

New AMERICAN RADIATOR

BRING IN FRESH AIR. ADD HUMIDITY. CLEAN THE AIR. CIRCULATE THE AIR. GIVE SUN-LIKE RADIANT HEAT. WARM EVERY ROOM EVENLY. SUPPLY YEAR-ROUND DOMESTIC HOT WATER.

Conditioning begins with HEATING


BETTER AIR CONDITIONING NEEDS RADIATORS TO INSURE UNIFORM WARMTH IN EVERY ROOM!

For radiant living—morning, noon and night—your P. C.* requires uniform heat in every room.

To ensure warmth in every room of the skyscrapers of America, architects and engineers specify American Radiator Heating . . . and to ensure warmth in your own home, simply specify the world-famous . . .

AMERICAN RADIATORS & IDEAL BOILERS

They begin below $100 for very small homes . . . or for more you can install the New Model "A" System, which is the last word in scientific heating . . . Or, you can have the magic of the new warm water systems, with copper pipe and new thermostats that maintain uniform temperatures and constant RADIANT HEAT.

BETTER AIR CONDITIONING NEEDS A RADIATOR SYSTEM TO SAVE HUNDREDS OF DOLLARS IN HEATING AND HOT WATER COSTS!

Over the years fuel and hot water cost more than your heating or air conditioning system.

Year after year you save Service Dollars with American Radiator Heating, because the domestic hot water supply is part of the system . . . year after year you save Fuel Dollars because of the scientifically designed, water-backed boiler surfaces that get more heat out of less fuel . . . and year after year you save Repair and Replacement Dollars because your Ideal Boiler is made of time-tested, corrosion-resistant cast iron!

NO CASH REQUIRED. PAYMENTS TO PLEASE!

Get American Radiator Heating now . . . add Arco Air-Conditioning now or later! . . . Call your Heating and Plumbing Contractor, and mail the coupon NOW.

CONDITIONING SYSTEMS

EASILY INSTALLED WITHOUT WEAKENING FRAMEWORK OF TWO-STORY HOUSES. SUMMER COOLING WHEN DESIRED. ARCO AIR-CONDITIONING CAN BE ADDED TO ANY GOOD RADIATOR HEATING SYSTEM.

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Address ....
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I Wept on my First Wedding Anniversary

When Henry slipped lovely gift ring on my finger I sobbed: "It's too pretty for my red, dishwashy hands"

But two weeks later I wore my beautiful new ring on a *smooth, white* hand. Magic? No—I acted on the advice of a friend—and changed to pure, gentle Ivory Soap for dishwashing. And here's the surprise: Pure *Ivory* Soap costs *less* to use for dishes than ordinary washday chips or powders—actually less than 1¢ a day—isn't that simply marvelous? Try it yourself for *your* dishwashing. Ask for economical "Large Size" Ivory today.

IVORY SOAP *for Dishes keeps hands pretty*

TRADEMARK REG. U. S. PAT. OFF.

Are you sure you're insured?

LESLIE CHILDS

As a prudent homeowner, you no doubt carry a reasonable amount of fire insurance on your roof-tree. And, if you will examine your policy, the chances are about one hundred to one you will find a clause that, in effect, recites as follows:

"This entire policy, unless otherwise provided therein, shall be void if the interest of the insured (that's you) is other than sole and unconditional."

The foregoing, or some variation thereof, is considered a standard provision in fire policies. And the courts uphold such clauses on the ground that an insurance company has the right to know what interest an insured has in property covered; this to discourage fraud on the part of persons who might be tempted to insure beyond their interest, so as to profit by the destruction of the property.

Obviously then, here is a point that should never be overlooked when fire insurance is being taken out. For if you accept a policy containing an unqualified "sole and unconditional" ownership clause, and you are not the sole and unconditional owner of the property, your policy may prove but a scrap of paper in the event of a loss. There is danger here. Now let us examine a decided case of this kind.

Home owned by husband and wife

Here a home was owned by a husband and wife, by the entireties, as lawyers call it. The husband took out a fire insurance policy on it in the sum of $5,000. The question of who owned the title to the property apparently was not investigated at the time, and the policy was issued in the name of the husband alone. The policy carried the usual clause for its avoidance if the "interest of the insured be other than sole and unconditional ownership."

The house was destroyed by fire. The insurance company denied liability on the ground of a violation of the sole ownership clause. A lawsuit followed. The husband, it appears, contended he should not be bound by the clause because he made no representations as to title when the policy was issued. The lower court, however, decreed in favor of the insurance company denying the husband any recovery. On appeal the higher court in answering the husband's contention, and in affirming the decree, reasoned in part as follows:

"It does not appear that any inquiries were made by the insured (husband) as to title and ownership when this policy was issued. The acceptance of the policy, however, . . . containing the provision quoted, amounted to a representation that the title and ownership were as stated. . . . The just and reasonable purpose of the sole and unconditional ownership clause in insurance policies is to avoid the assumption of risks of those whose lack of interest in the property . . . might induce on their part carelessness or wrongdoing in its use or preservation.

"Necessarily the interest of a tenant by the entirety in real estate is of much less value than that of the sole and unconditional owner. . . . The insured (husband) here comes into court asserting his bare legal rights under this policy. . . . Such being the case, we are satisfied that the . . . decree was correct. For the reasons stated, the decree . . . must be affirmed." (Supreme Court of Tennessee, 68 S.W. 2nd 941.)

So much for that case. And now let us turn to another which arose under somewhat different facts, but also aptly illustrates the reasoning of the courts in upholding sole ownership clauses in insurance policies. The facts were as follows:

Part owners of building insure in their names

Here two brothers owned an undivided half interest in a building. They entered into a verbal agreement for the purchase of the other half interest but this was never carried out. While this was pending, the brothers took out fire insurance on the property in their names. In the application for the policy they represented that they were the sole and unconditional owners. The brothers, it appears, thought that their contract to buy the other half interest justified their statement that they were the sole owners.

The building was destroyed by fire. The insurance company denied liability on the ground that the brothers were not the sole owners as stated in the application and required by the policy. Suit was filed. The lower court found against the insurance company, though the grounds for this do not appear in the report. On appeal, however, the higher court in reversing this judgment had this to say:

"That the insured (the brothers) were not the unconditional and sole owners of the property when the application for insurance was made, and the policy of insurance issued, is perfectly plain by the evidence . . . Whatever opinion the person who made

[*Please turn to page 96*]

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but in a new form,
more readable than any edition ever published

The most important book in the world, which a hundred times you have promised yourself to read through—*and never have!*

Place this Bible on your library table, or your bedside, and you will at last read it with the full pleasure and enjoyment you have long anticipated.

TIME and again throughout your life, if you are the average intelligent reader, you have promised to give yourself the final enjoyment of "really reading the Bible." The pull toward it, through tradition, through curiosity, through your own delightful sampling of its beauties, is never-ending. Yet, somehow you have never read it. This is common experience, and it is an enigma. The explanation, without question, is *that the form in which the Bible is commonly presented to us as readers*, instead of helping, throws up constant obstacles to its being read with genuine pleasure, enjoyment and full understanding.

A Bible at Last You Will Read

This new edition of the Bible has been prepared with this lamentable state of facts in mind. The Old and New Testaments are here presented in the time-honored King James Version, with all its matchless beauty of language. But it is the King James Version in a new form. First, readability: the type is nearly twice as large as this. Also, the pages are set *in a single column* easy for the eye, instead of in two columns of small type, as in most Bibles. But the chief difference is a matter of editorial presentation. Each one is preceded by a brief but salient account of when it was written, and under what circumstances. The historical material presented is of the most fascinating nature.

Prose Printed as Prose, Verse as Verse

Moreover, while this is the King James Version of the Bible, the varied material is presented *as* it was originally written. Where it is a prose legend or historical narrative, *it is printed as prose;* but where a book was written as verse, perhaps handed down as a chant like the poems of Homer, *it is printed as verse.* Where it was written as a drama, *it is printed as drama*, with lists of characters and the name of the character speaking, so that there is no confusion as to who is saying what. Unimportant genealogies—the endless "begats"—having no literary interest whatever, are omitted; so also are pure repetitions, of which there are many in the Scriptures.

One Thing Left—To Read the Bible

Thirty-five years ago that great Biblical scholar, Professor Richard G. Moulton, said of the Scriptures: "We have done almost everything that is possible with these writings. We have overlaid them, clause by clause, with exhaustive commentaries; we have translated them, revised the translation, and quarreled over the revisions . . . There is yet one thing left to do with the Bible; simply to read it."

This edition of the Bible is designed for that purpose. May you at last, as you have long wanted to, enjoy it!

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What we here propose is this: mail the inquiry coupon, ***and a copy of this fine library volume will immediately be put aside in your name,*** and held until we hear whether or not you care to join. In the meantime, a booklet will at once be sent to you outlining how the Club operates.

Study this booklet at your leisure; you may be surprised, for instance, to learn that belonging to the Club does not mean you have to pay any fixed sum each year; nor does it mean that you are obliged to take one book every month, twelve a year (you may take as few as four); nor are you ever obliged to take the specific book-of-the-month selected by the judges. You have complete freedom of choice at all times. You also participate in the Club's "book-dividends," of which over $1,450,000 were distributed among members last year alone.

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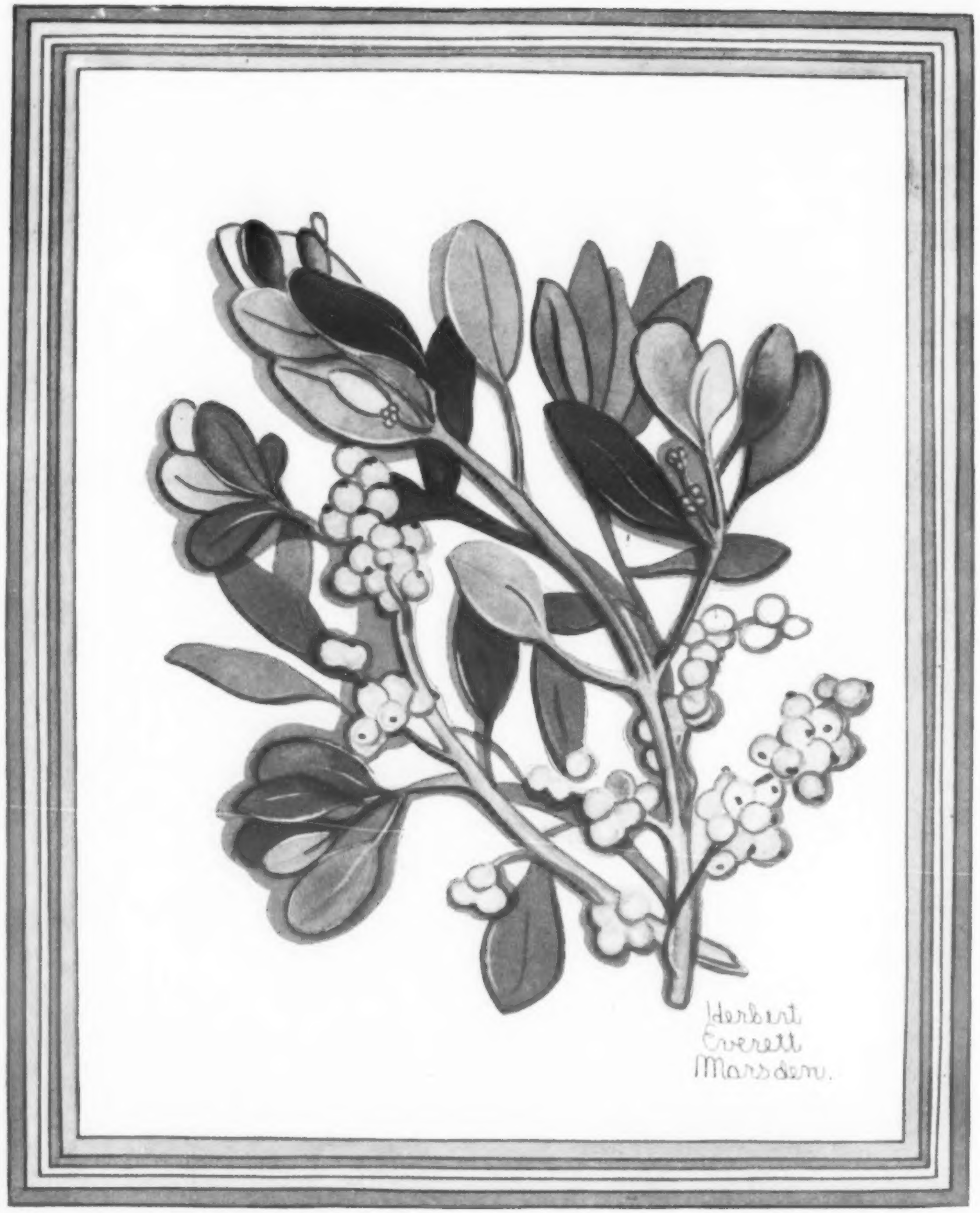
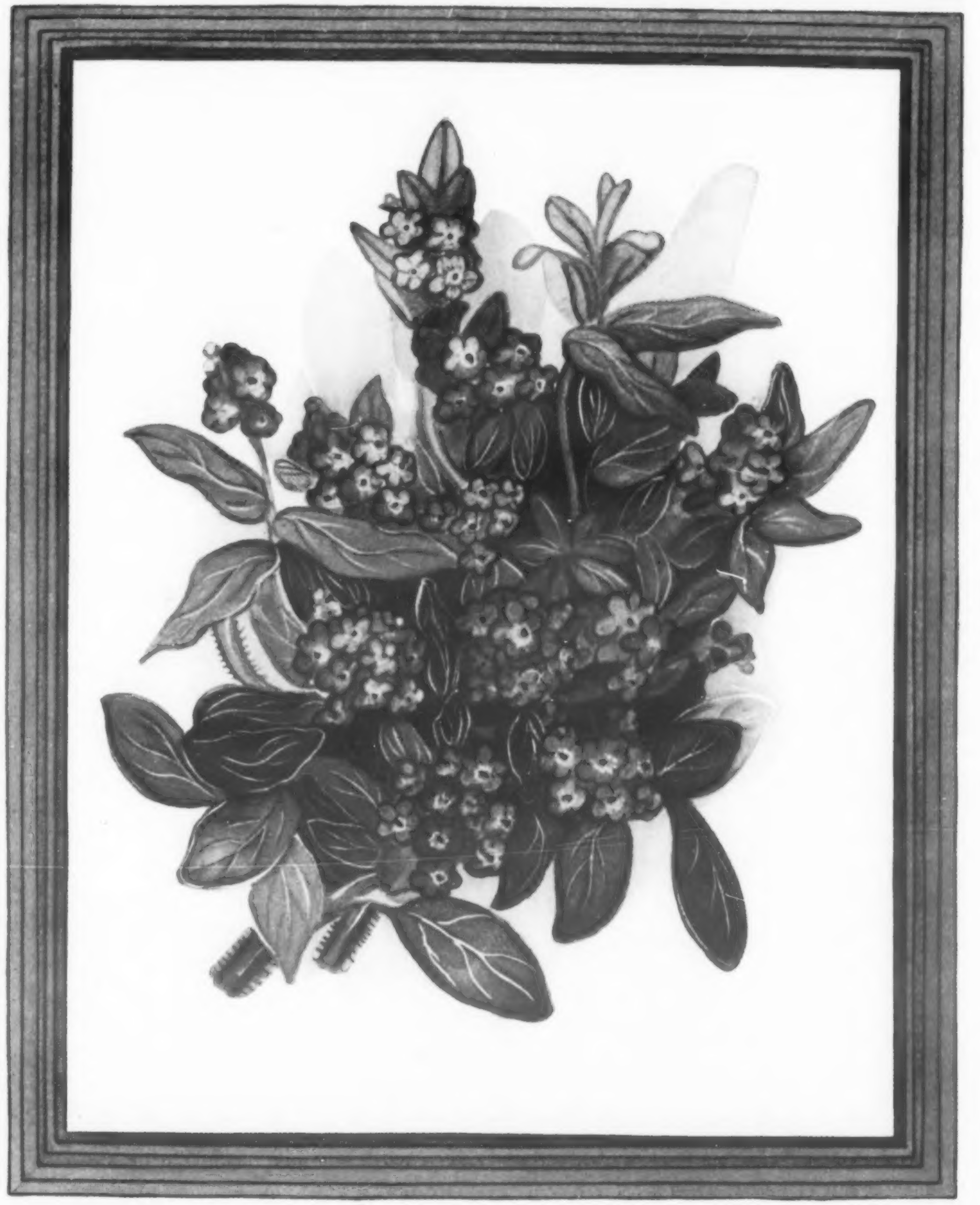
State Flower Prints = III

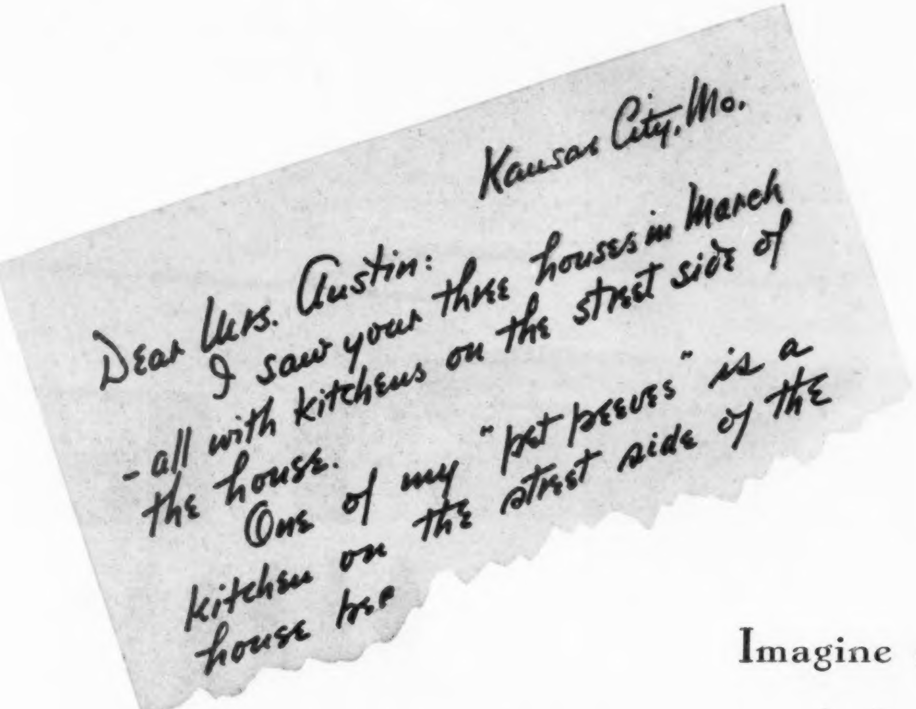




Paintings by Herbert E. Marsden

V. OKLAHOMA: MISTLETOE: A unique choice among state flowers is this, for two reasons. First, its interest and charm lie in its thick, yellowish green leaves and waxy white berries rather than in its tiny, inconspicuous blossoms; second, it is not a garden or cultivated subject but, like its five hundred or more relatives, a parasite, living on the branches of various kinds of trees from which it steals its sustenance. Known botanically as Phoradendron flavescens and found from New Jersey southward to Florida and westward, it is gathered and sold for Christmas decorating because of its traditional significance

VI. ALASKA: FORGET-ME-NOT: Its delicate appearance and the romantic associations with which this flower is connected hardly suggest it as a symbol of the Far North, yet it is widely distributed throughout the temperate regions of both hemispheres and is one of the most abundant of the native plants that brighten the Alaskan fields and hillsides during the cool, moist summer season. From the shape of the leaves come both a second common name—mouse-ear—and the botanical name of the genus—Myosotis, from Greek words meaning "mouse" and "ear." A favorite flower in poetry and literature, it symbolizes constancy



Kansas City, Mo.

Dear Mrs. Austin:
I saw your three houses in March
- all with kitchens on the street side of
the house.
One of my "pet peeves" is a
kitchen on the street side of the
house tho

Imagine sitting on the front steps to watch the cars roll by while shelling peas and stemming strawberries for dinner!

"Oh, you say, the garden side of a house should be reserved for the living quarters."

"Granted," I retort, "and my kitchen, incidentally, is certainly a most important part of my living quarters.

"My living room holds my books, but my living room is another story. This is about my kitchen. I like to step through the kitchen door right into the garden and orchard—a kitchen garden with posies along the paths. I like to run out the last thing before dinner and pull the radishes and new onions, wash them and bring them to the table crisp and sweet. I like to sit in the sun on the back step and listen to the hum of bumble bees while I shell the peas and stem the strawberries which I have just gathered for dinner. Imagine sitting on the front steps to watch the cars roll by while shelling peas and stemming strawberries! I like to sit on the bench outside my kitchen door while I peel green apples pulled from the tree overhead for green apple pies or, later in the season, quarter the ripe ones for apple butter. In the spring the fragrance of the grape bloom, drifting in through my kitchen window, relieves the drudgery of ironing, and in the autumn I run to pull the ripest bunch for a 'between-jobs' snack. Think how many steps I save by having my kitchen on the garden side of the house. Of course my kitchen would not be on the north either."

"Too hot in summer, you say?

"Oh, no, you forget that apple tree I mentioned. And in winter the sun shining through the bare branches warms and makes pleasant the area where the chickadees and sparrows, cardinals and blue jays scrap for the scattered seed and crumbs as I watch from inside while I wait for the gingerbread to bake.

"No kitchen, whatever its arrangement or labor saving devices, would be efficient for me if it did not provide for such pleasures as these that I have mentioned."—Esther L. O'Connor.

* * * * * *

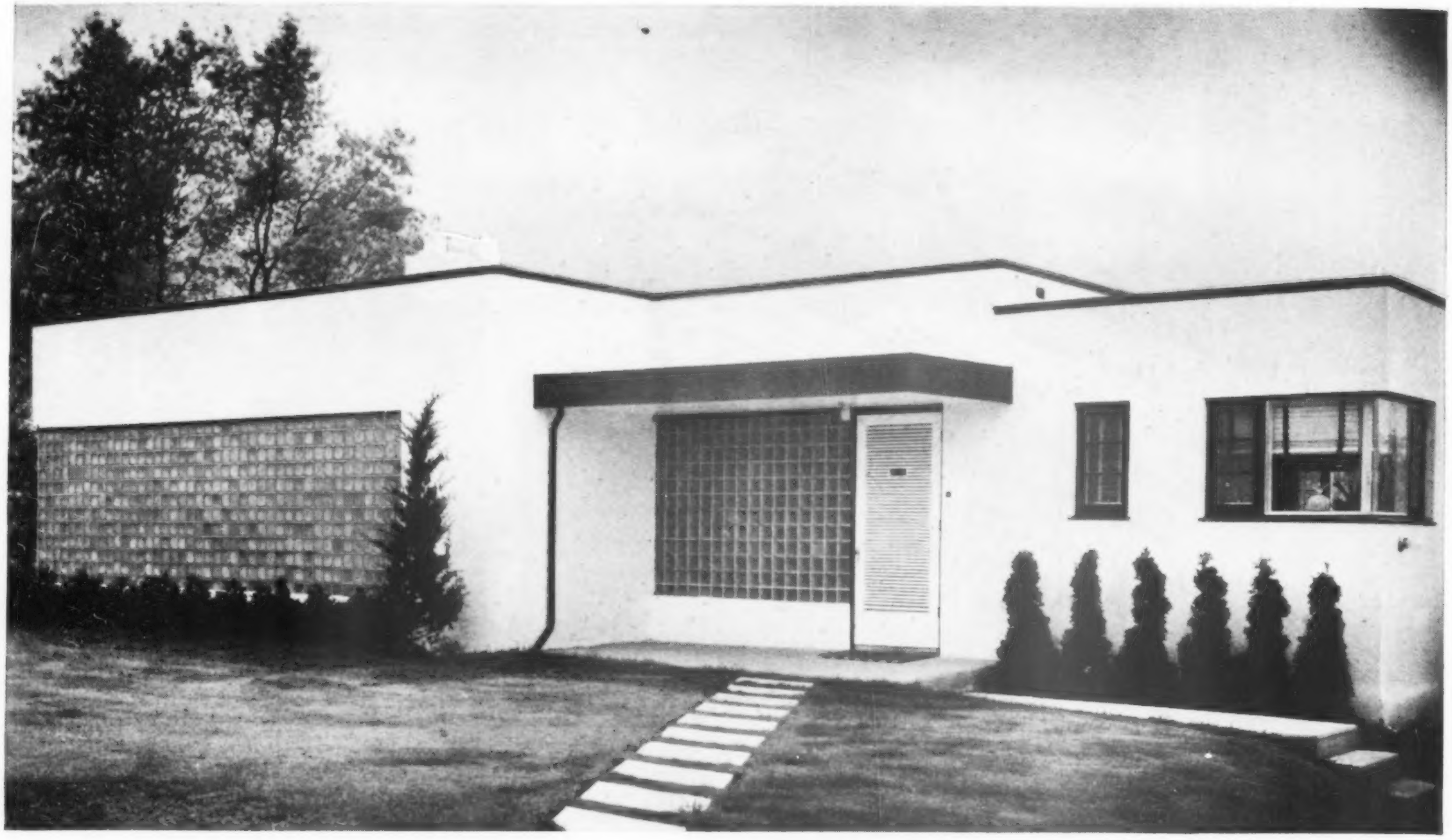
Another reader writes that she does not need three bedrooms, and another begs that we plan a house with five bedrooms, for she and her family would rather have privacy in their own little cubicles than to "double up."

Well, I'm going to design a home for the latter, soon as ever I can get to it, for my family are like that too. If we all have our own rooms and attendant comforts, not many of us are away "of evenings." The former wants to omit either children or house guests and that's a house which we are honestly going to admit right here and now we shall never be interested in thinking of or designing.

But to get back to Mrs. O'Connor's letter—isn't it somehow the whole reason for wanting a home of one's own? All we can ever hope to do is to tell what you should want—and go on publishing homes built the way you really want them. Scrupulously honest about new materials, new designs, and new ideas, we sincerely try to iron out the "isms" before we show them to you in these pages. We are often accused of not liking "modern." We do not for ourselves, but for the "functionalism sense" modern design makes. However, in our thousands of miles of travel, per year, we find mighty few "moderns" we want to put into print. We have been months saving up these "moderns" for you, and quite frankly are pretty "chesty" about them. Not one is "ultra-ultra" and every last one of them is darn good design and livable. Then, of course, there are houses aplenty for folks like Mrs. O'Connor. Houses where apple trees would feel at home, houses where one could shell peas, and stem strawberries, and listen to the bumble bees all at the same time. Houses that are a little foolish about "efficient step-saving" and houses that extravagantly maintain dining rooms for family gatherings that wouldn't be efficiently at ease, or even happy, at a Thanksgiving buffet supper in the living-dining-entertaining end of the living room. Homes for families that are strenuous and unorganized and not very smart—but happy and contented.

Do not think that the stern old editorial eyes do not arch at such "goings on." Do not think we approve of darling "firetraps," all weather-beaten and cozy—and unsafe. We don't. We know that modern, fireproof construction should erase quaintness and coziness right off the face of the globe, but somehow it doesn't. And so, until all the Mrs. O'Connors shell their peas by electricity and believe that canned apples are better than apple blossoms and bumble bees and homemade apple butter—well, until then, we'll be scolding you and disapproving of your "lack of sense"—and loving you and encouraging you just like any parent you ever heard of! We'll go right on publishing building issues, part sense, part sentiment—knowing that when homes are really one hundred per cent efficient, there will be no need for so human a magazine as The American Home with its reader-contributors, telling of their labors of love, when some machine could have done it so much more efficiently and so much more cheaply—and yet be so unloved for its aggressiveness.

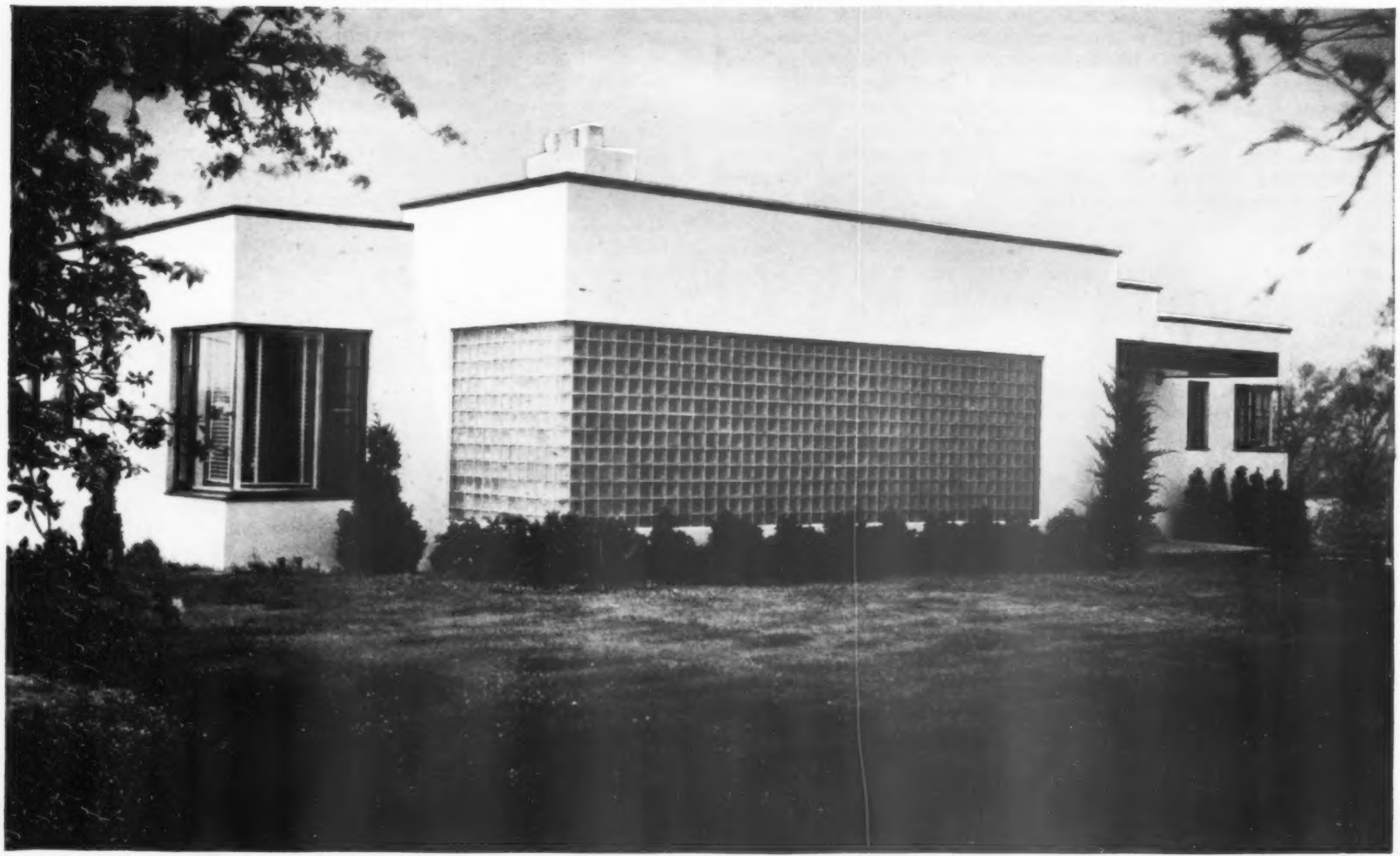
May the O'Connors increase and the robots die a horrible death! May Ye Olde Editor never have to publish an issue devoted one hundred per cent to "functionalism" with no letters whatsoever of denouncement from the O'Connors of the country!—"Mrs. Austin."



Front entrance detail and exterior walls of glass block in hall and living room

GLASS BLOCK *in Benton Harbor, Michigan*

The use of glass block obscures a busy highway and secures privacy for the occupants



Duncan

OUTSTANDING $8,500 HOME

In designing the "House on a Hill by a River," Pasquale Iannelli, youthful Michigan architect, recently obtained fascinating results to achieve the ultimate in livability and practicability in medium-priced home construction through the judicious application of a most interesting new material—glass.

"There are many things to be considered, of course, when planning to build a home," said Mr. Iannelli in discussing the home, located on the St. Joseph River near Benton Harbor, and now owned and occupied by Mr. and Mrs. Jack R. Gardner. "As we all know, a house should be built around a plan, not particularly a plan of just room arrangements, but one of what a home should be from the standpoint of livability, arrangement, permanence, and upkeep. Naturally, we want all we can get for our building dollar.

"I turned to modern architectural lines because they afford greater ease for planning convenient room arrangements, fenestration, ventilation, flat roof types, lower ceilings, and consequently lower building costs, an advantage of modern design.

"The site is on a westerly slope overlooking the historic and picturesque St. Joseph River. It was impossible to have every room face the river, so I decided that rooms in constant use by the family—kitchen, dining room, living room, and recreation room—should face the water. To be certain that these rooms would have the full benefit of the scenery, large plate glass 'picture windows' were used.

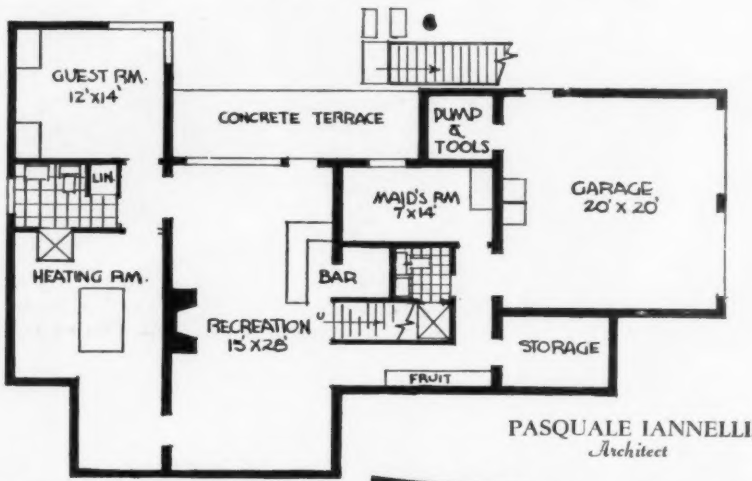
"Locating and centralizing the entrance hall was an important problem. A hall should serve its purpose fully without taking too much livable space out of a home. In this particular residence, the hall serves as an entrance directly into either the kitchen, living room, lavette, or the lower floor. It is small and compact, with cork floors in brown, walls in flat lemon yellow, trim and doors in silver gray, and with the entire easterly wall of Insulux glass block.

"The living room is 15′ by 28′, running from east to west, with the easterly side constructed of glass block. The effect is beautiful. Not only is the busy, noisy traffic of a main highway just beyond the front lawn obscured and muffled by the glass block, but splendid lighting is obtained while retaining privacy. The morning sun enters the living room efficiently diffused. The intense heat generated by summer sun rays is eliminated, too, because the blocks are partially vacuum. The master bedroom and the child's room are both distinguished by 'corner' windows for more light and cheer, and to make possible interesting furniture arrangements. The dining room features a large picture window where diners may enjoy the sunset.

"The kitchen is all-electric. Walls are of a bright yellow plastic material trimmed with wide bands of stainless steel; sink is topped by a picture window. This is a woman's paradise rather than a domestic 'workshop.' Off the kitchen is a breakfast alcove."

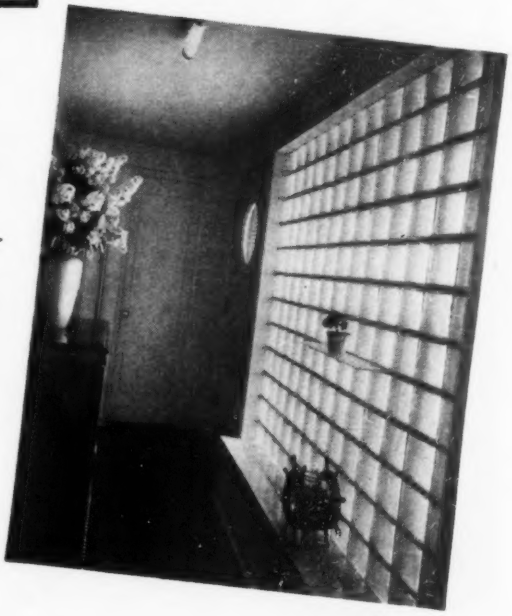
CONSTRUCTION DATA:

Walls are of light weight slag blocks, the outside plastered with Portland cement. Inside, plastered on insulating wire lath nailed directly to blocks. Lower floors: 4½″ waterproof concrete slab. Upper floor: Reinforced steel and concrete floor supported by steel bar joints. Roof: All steel flat type supported by steel bar joists insulated with 4″ rigid insulation finished with 8-ply, built-up roof. Sheet metal work, flashing and inside leaders, galvanized iron. Windows: All casement wood sash, weather stripped with copper. All hardware is chromium. Electrical installation, B.X. cable and conduit. Plumbing: All copper pipe. Cost of house $8,500. This price does not include walks, driveways, kitchen appliances, landscaping, lot, and the Venetian blinds which are provided all through the house.

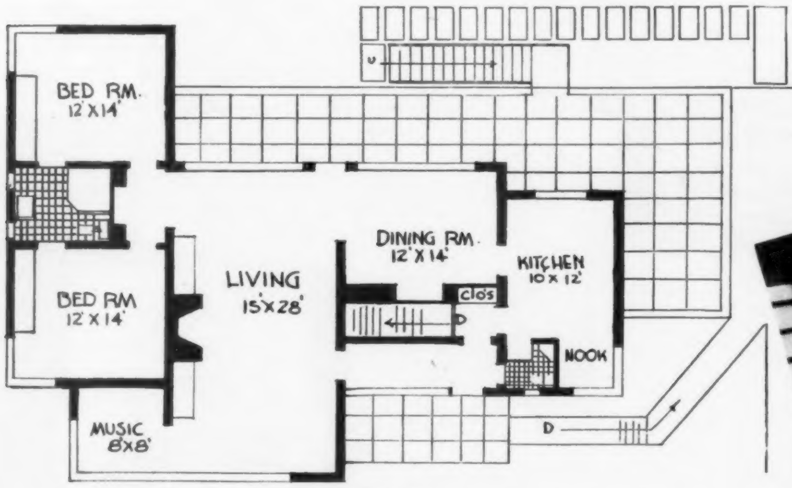


PASQUALE IANNELLI,
Architect

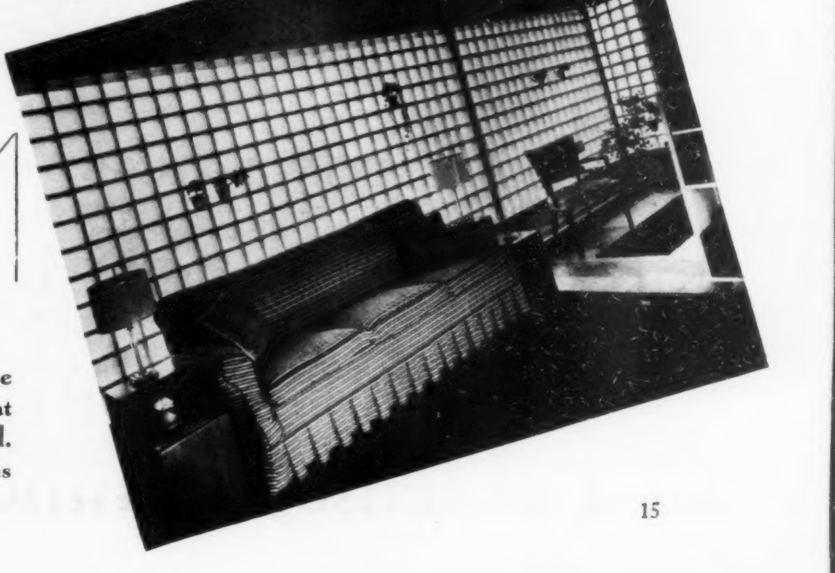
LOWER FLOOR:



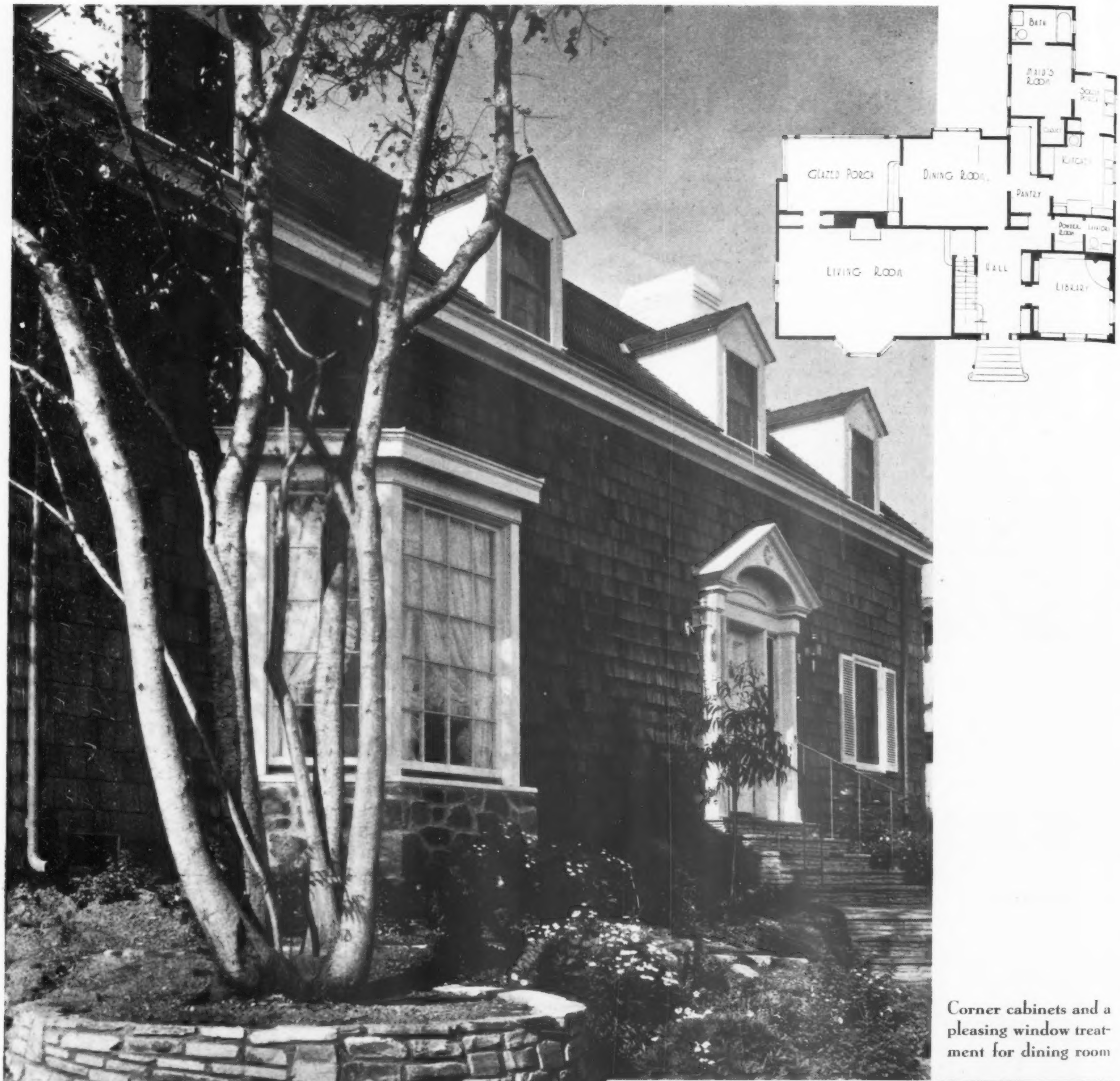
Plenty of diffused light is ushered in through the wall in the hall entry, shown at right, which serves as an entrance directly into either kitchen, living room, or lavatory. This hall discharges its purpose well without taking too much livable space out of the main part of the house—a good feature



UPPER FLOOR



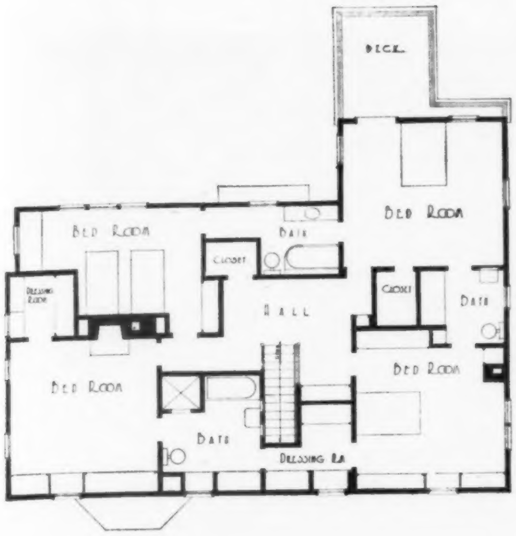
A decidedly new and striking note in interior decoration is achieved by use of glass block for eastern walls of living room and adjoining nook, shown at right. The natural daylight which they permit is both pleasant and restful. Shelving, anchored in mortar bond, provides opportunity for decorative ideas



Bath
Maid's Room
Service Porch
Closet
Kitchen
Glazed Porch
Dining Room
Pantry
Powder Room
Lavatory
Living Room
Hall
Library

Corner cabinets and a pleasing window treatment for dining room

Mellow brownness and a "feel of age" in this new home in a land of tense brightness



JOHN BEYERS
Architect

EDLA MUIR
Associate

H. W. GRIEVE
Decorator

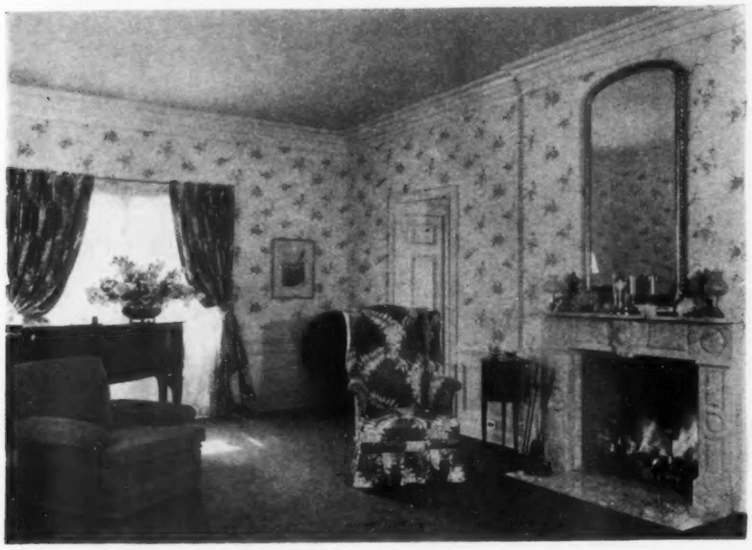
The home of W. I. Gilbert, Jr. in Westwood, California

On top of a hillside where it may catch the breezes from the sea and look down upon the white buildings of the university town stands this pleasant house of weathered shingles. It is an excellent example of successfully relating house and garage to the peculiarities of the site. While this house has all the advantages of a hilltop, it has fortunately avoided the pitfalls common to hillside houses—a maze of levels and those everlasting steps up and down that may be amusing in an old Colonial house of 1800 but which are poorly suited to the tempo of contemporary life. While it may be all very well to fit a house into the niches and crannies of a rambling hillside, it is hard on the young of the family and on servants to have to go up three steps and down four to the nursery, up seven and down two to the kitchen, and so on through the maze of stairs which usually mark the hillside house.

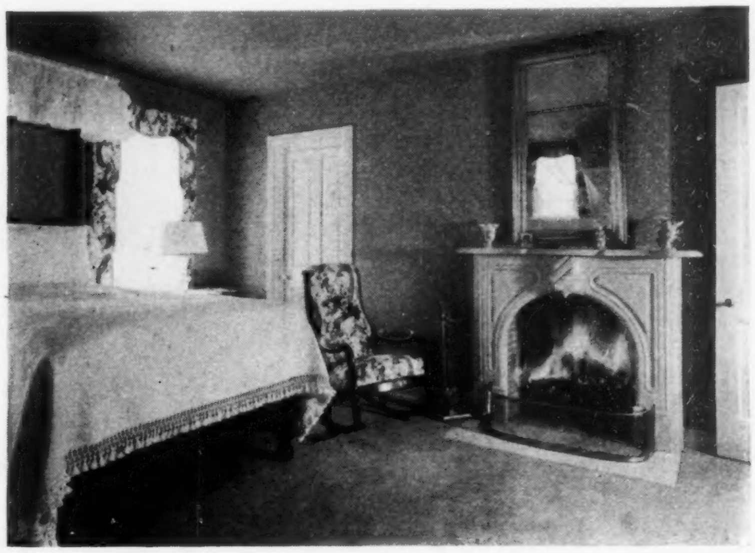
The rise in ground from the street level to the rear of the property was over thirty feet, which precluded the possibility of placing the garage on the upper level. Therefore, the garage was frankly situated on the street front, acknowledging honestly the fact that though this is a pleasing Colonial house full of beautiful antiques, it is occupied by people who are living in a motor age.

A level terrace was cut for the house site about midway up the hill, so that the house could be placed as firmly upon a perfectly flat site as if it were on the plains of Kansas. Steps flanking the side

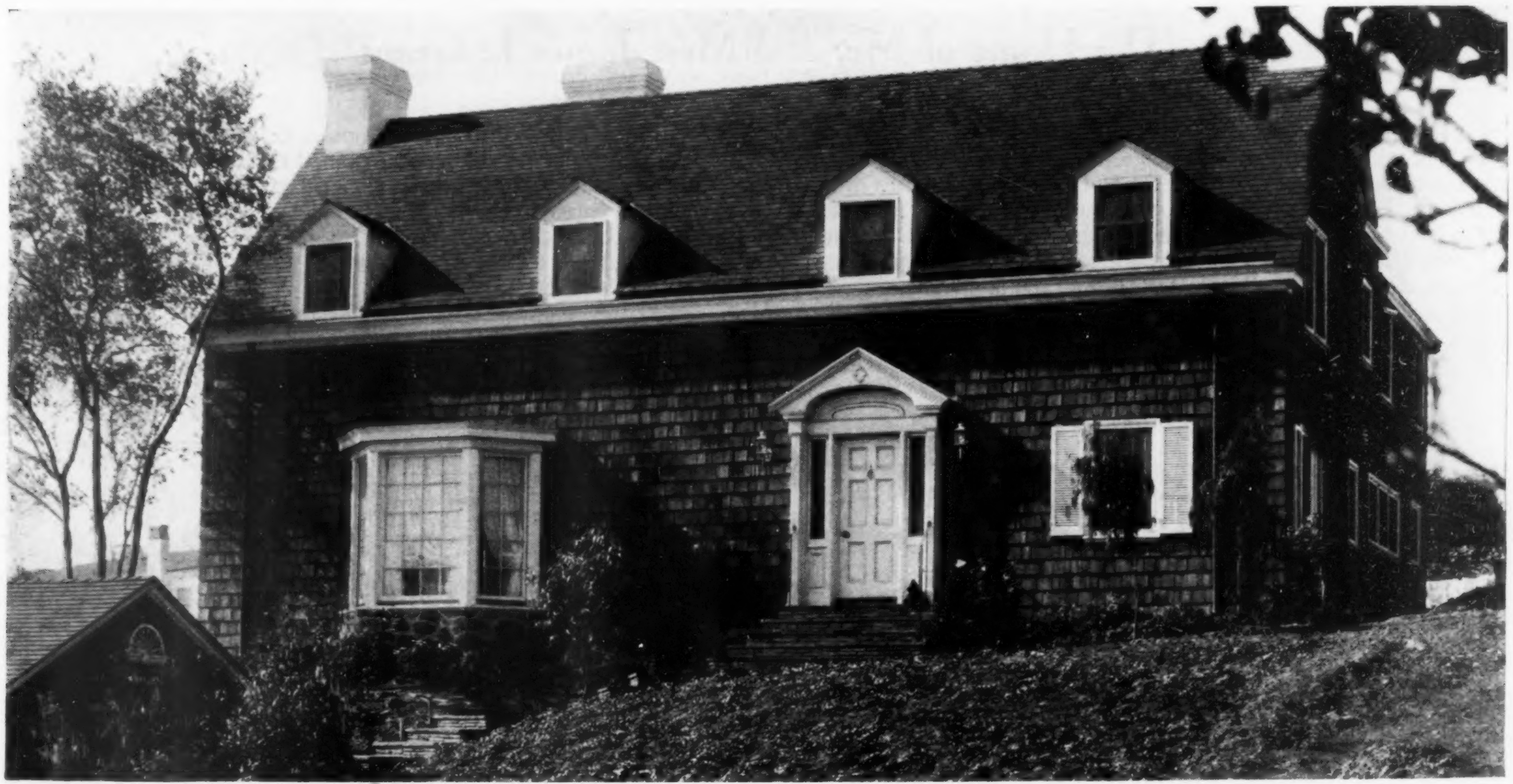
[*Please turn to page 102*]



Notice the distinguished Colonial marble mantel

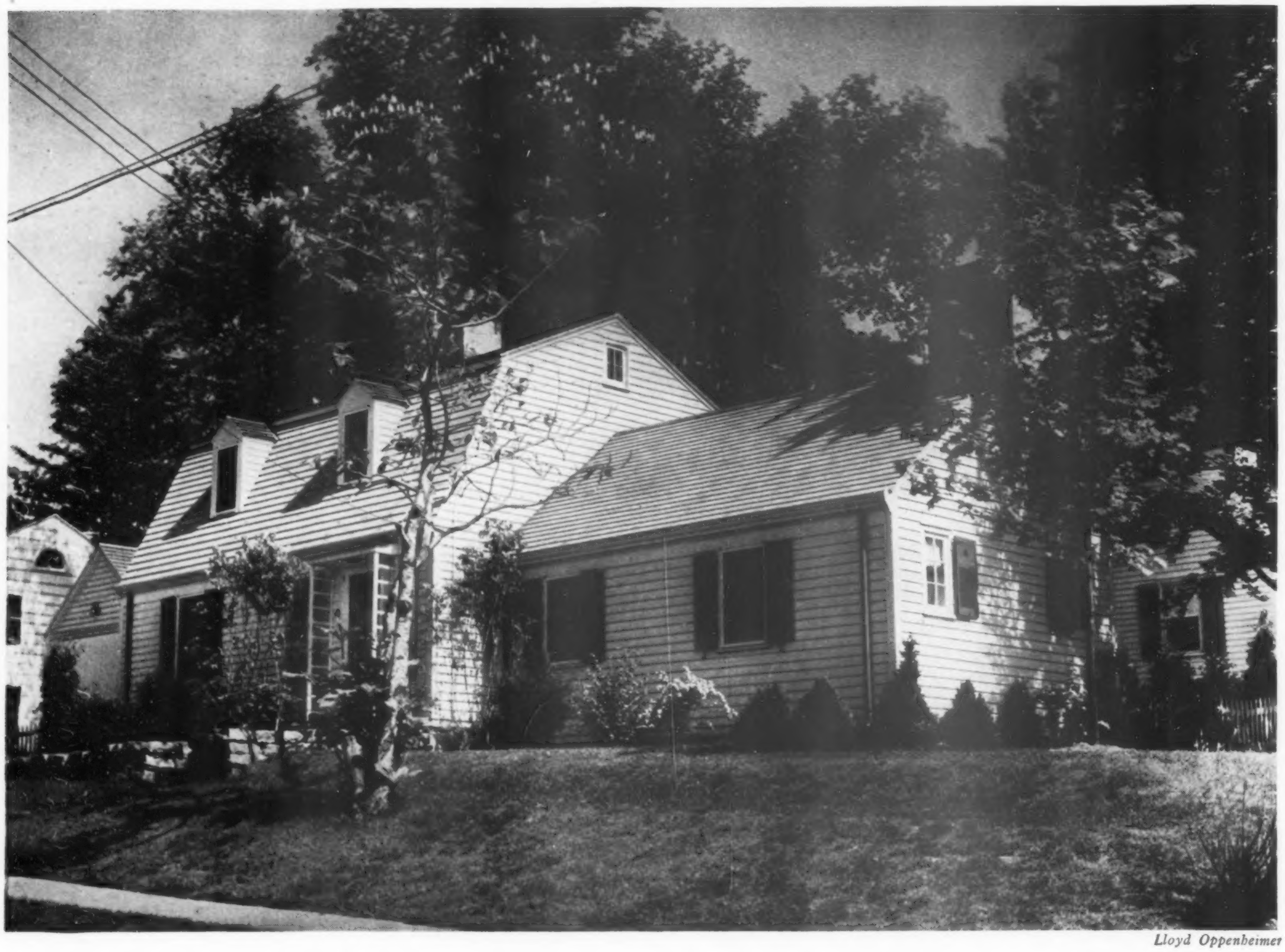


Simple patterned wallpaper is the background here



Mott Studios

This Colonial hillside house is in perfect harmony with the land



Lloyd Oppenheimer

Dutch Colonial in West Hartford, Conn.

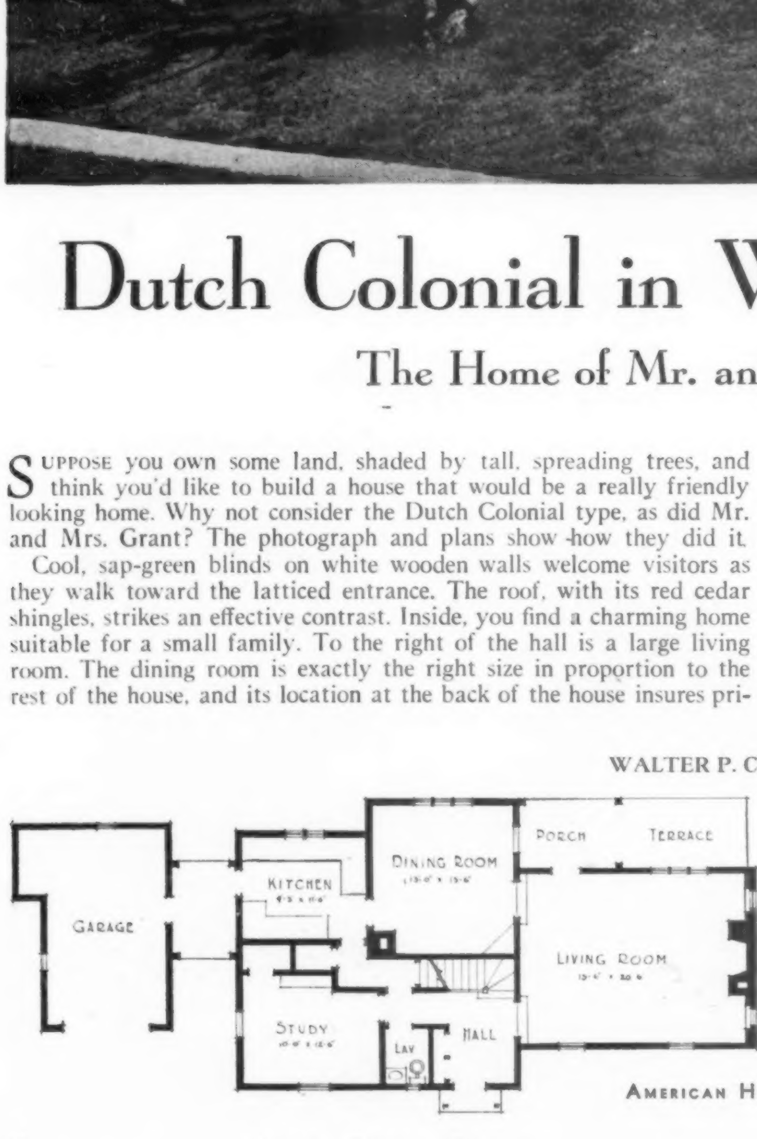
The Home of Mr. and Mrs. James L. Grant

SUPPOSE you own some land, shaded by tall, spreading trees, and think you'd like to build a house that would be a really friendly looking home. Why not consider the Dutch Colonial type, as did Mr. and Mrs. Grant? The photograph and plans show how they did it.

Cool, sap-green blinds on white wooden walls welcome visitors as they walk toward the latticed entrance. The roof, with its red cedar shingles, strikes an effective contrast. Inside, you find a charming home suitable for a small family. To the right of the hall is a large living room. The dining room is exactly the right size in proportion to the rest of the house, and its location at the back of the house insures privacy, as well as making it possible to have the kitchen where it should be. In addition, there is a study and small lavatory on the first floor. On the second floor are two good size bedrooms with a bathroom conveniently placed between them.

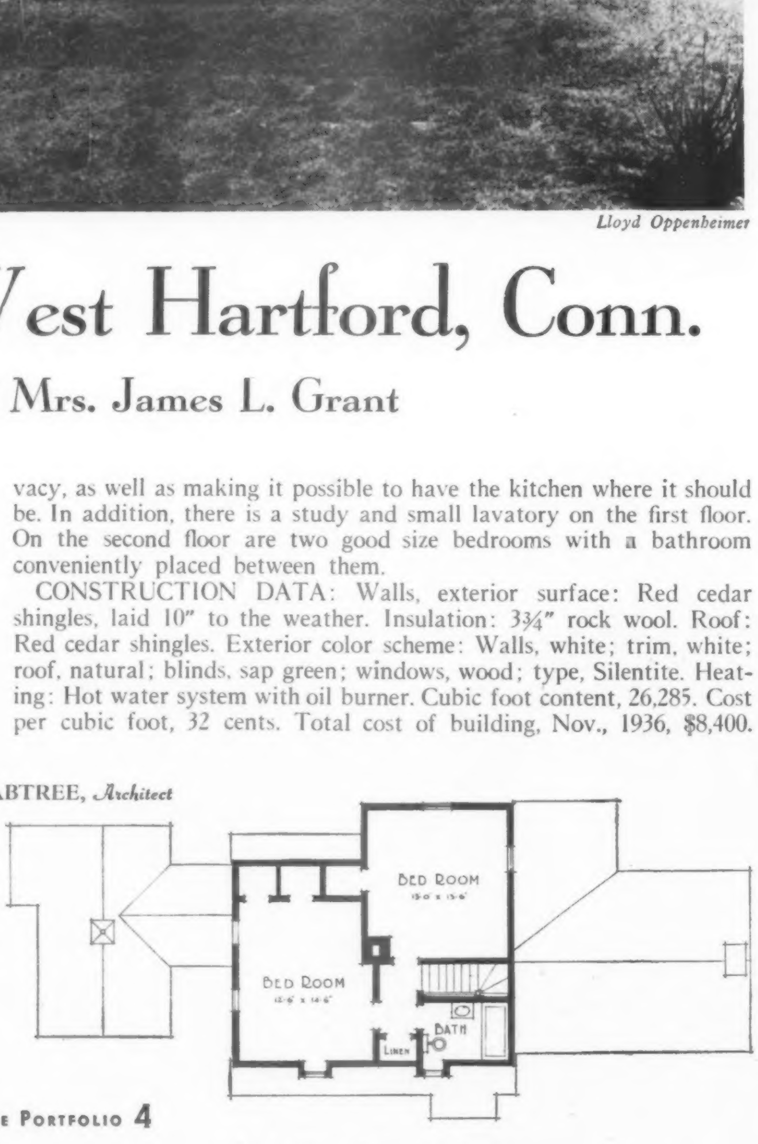
CONSTRUCTION DATA: Walls, exterior surface: Red cedar shingles, laid 10" to the weather. Insulation: 3¾" rock wool. Roof: Red cedar shingles. Exterior color scheme: Walls, white; trim, white; roof, natural; blinds, sap green; windows, wood; type, Silentite. Heating: Hot water system with oil burner. Cubic foot content, 26,285. Cost per cubic foot, 32 cents. Total cost of building, Nov., 1936, $8,400.

WALTER P. CRABTREE, *Architect*

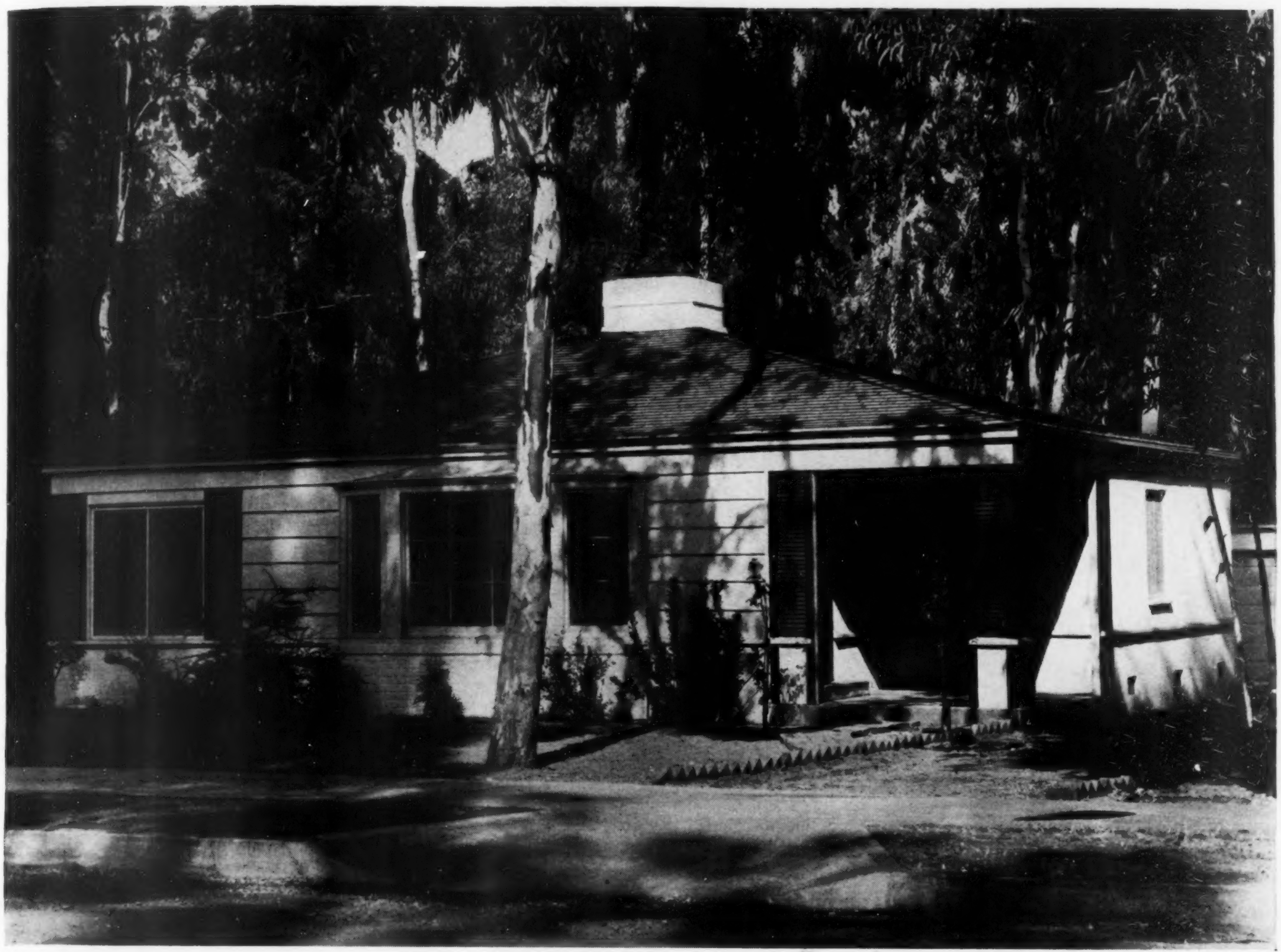


"FIRST FLOOR PLAN"

AMERICAN HOME PORTFOLIO 4



"SECOND FLOOR PLAN"



A $4,000 Budget House in the San Fernando Valley

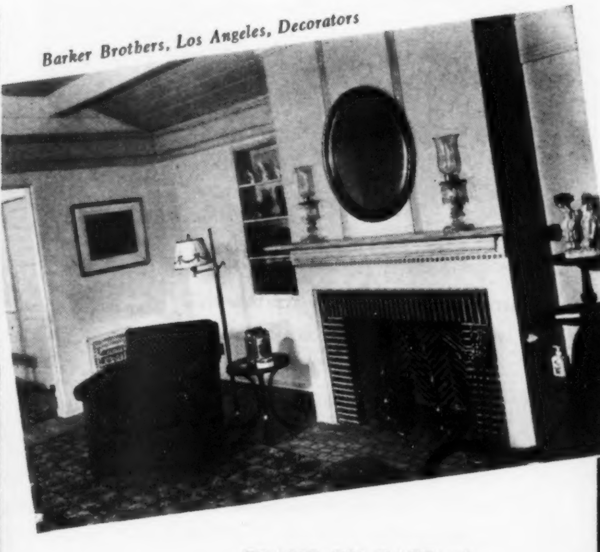
The home of Venita Gould

S. A. LEWIS

THIS trim little house with its background of silver green eucalyptus trees is an example of the type of small, moderately priced home now being developed in the lovely San Fernando Valley district of Los Angeles, under F. H. A. requirements. Owned and occupied by Venita Gould, it served first as a model home. Its cost is approximately $4,000, and its furnishings, shown in the accompanying illustrations, come to less than $1,000. Its slightly pitched roof makes for coolness in summer and warmth in cold weather. Its general lines suggest California-Provincial, while its interior treatment represents the Victorian with a modern feeling, evidenced in the dining room and living room settings.

Particularly interesting is the living room with its board ceiling and paneled fireplace wall. The

[*Please turn to page 94*]



Barker Brothers, Los Angeles, Decorators

This pleasant home has high pine wainscoting in the dining room, a living room fireplace for friendly gatherings, and a gay little bedroom done in blue and white

PLANS ON PAGE 96

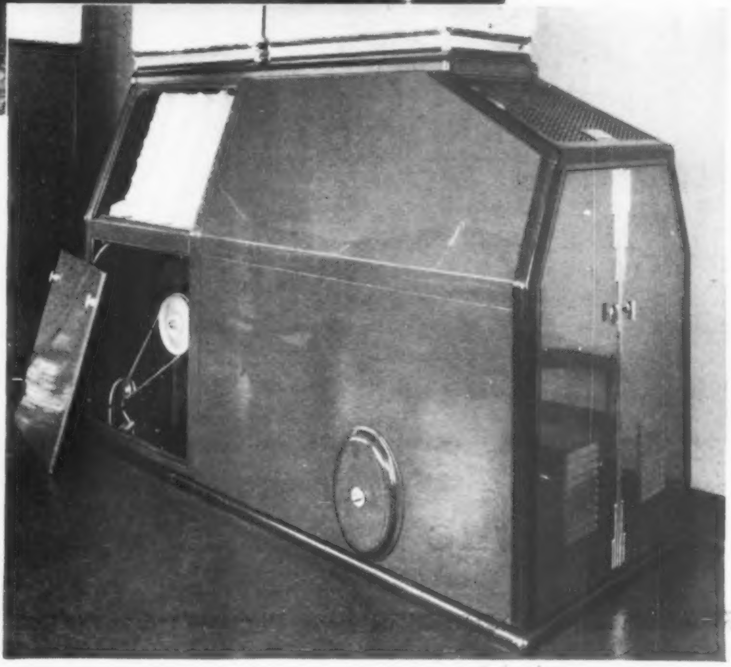
Taking the mystery out of AIR CONDITIONING

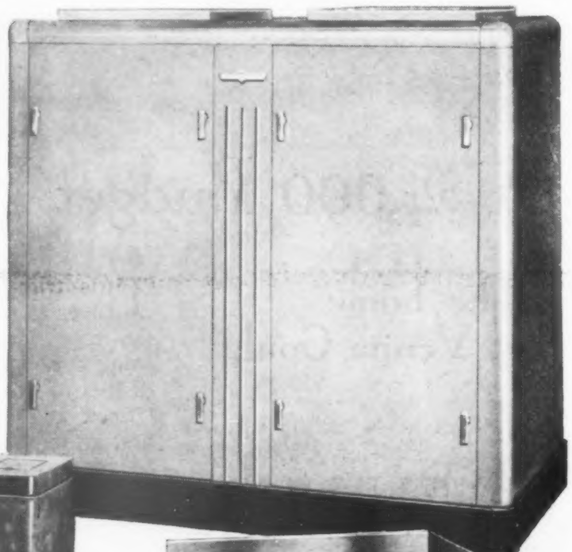
JONAS PENDLEBURY

You know that it can be done. You know that you can be cool as a breeze in the summer and comfortably warm in the winter. But the real mystery question is, "How *much* air-conditioning do I really need?" There you begin the problem, and the answer depends on climate, budget, and whether it is a year-round house or a week-end cottage.

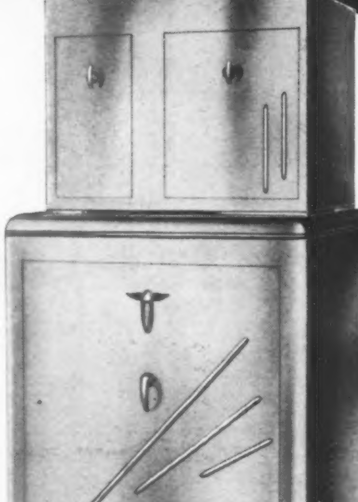
Let's start with the Smiths. They were an average family building a house in northern New York, and were particularly anxious to have the house air-conditioned. It was the prototype of thousands—seven rooms, two stories, Georgian style, frame and brick construction. The plan was rather compact, with central hall, living room, dining room, kitchen, bedroom, and bathroom on the first floor; three bedrooms and two bathrooms on the second floor. The attic was unfinished. All the rooms were of average size, very comfortable for a family of four. Insulation and weatherstripping were included. Mr. and Mrs. Smith were quite determined about the last

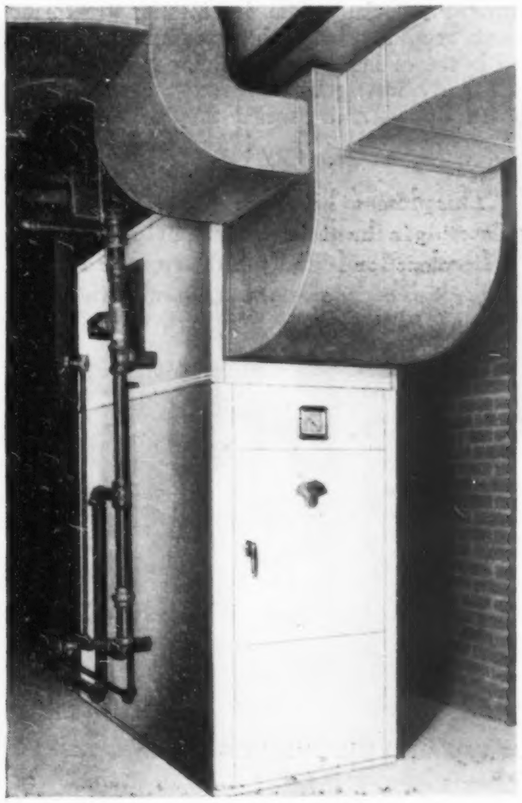
Model apartment in an exhibit at Radio City, N. Y. Interior design by Paul McAlister. From Carrier Corp.


Enclosed in one unit, Gar Wood Tempered - Aire conditioning unit


Illustrated at the right is a General Electric compact warm air conditioner

Waterman-Waterbury makes this new air-conditioning unit above


A distinctly modern design, the Surface Combustion air conditioner, right


You would like the results of this from the Fitzgibbons Boiler Co., left

two items, fully appreciating the benefits that would result from their use; especially if their home were to be air-conditioned.

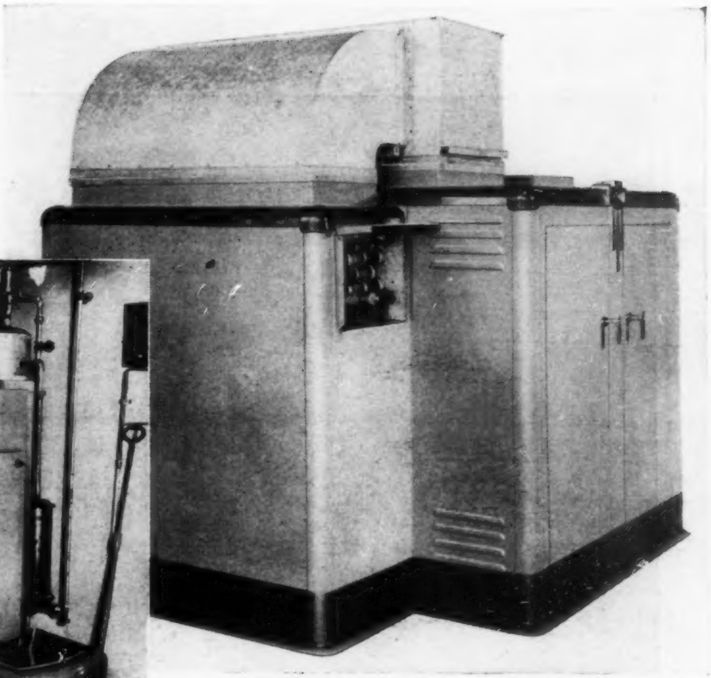
Yes, they were sure that the house should be insulated, all around and on top. This meant dividends for the fuel pocket-book, plus cooler rooms in summer. But they were very vague about the amount of air-conditioning they should install. Advertisements had told them there was complete year-round conditioning; washing, filtering, humidifying, air-distribution, and a variety of automatic controls—but it was still very confusing for the layman to decide which to select and how much air-conditioning his home needed. Well, that's why we have architects and heating engineers.

Winter Air-Conditioning. Their architect suggested winter air-conditioning as first choice for a house erected in that locality where the average winter temperature is about 35° F., and sub-zero temperatures are not uncommon. The system, he explained, should be one which would supply plenty of warm air for every room; the air should be thoroughly clean and contain the correct amount of moisture. There should be a fan or blower to distribute the air through the ducts and registers. Necessary automatic controls would be provided also. Mr. Smith wondered if summer air-conditioning should be taken into consideration. Yes, this also would be provided. The air would be washed and purified. It would be cooled by cold water, then circulated through the ducts into the rooms by means of the fan or blower.

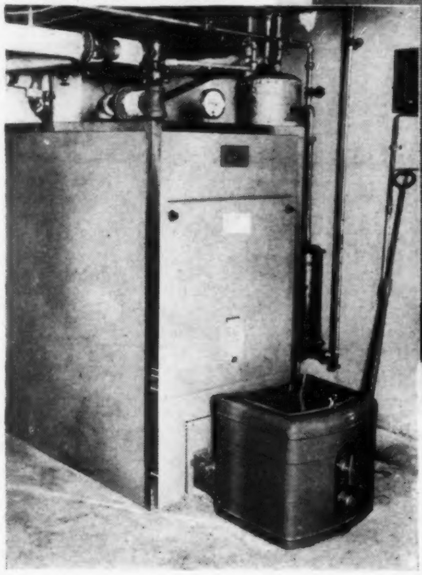
Summer Air-Conditioning. The Williamsons, however, had a quite different problem. Their house was built in Louisiana where the average winter temperature is about 61° F; sub-zero temperatures are never experienced. Winter treats them kindly down there, yet summer certainly does not. For them, summer air-conditioning was absolutely essential. They have a charming six-room house, three rooms on each floor. It is of frame and stucco; walls and roof are insulated. No winter heating equipment was required so their problem was solved by installing a system which included cooling the air with water from a refrigerating unit, purifying the air, controlling the humidity, and circulating the air through the proper ducts and registers to and from the various rooms at any desired time.

Year-Round Air-Conditioning. Then there were two houses that had been built in North Carolina, where the winters are cold enough for a heating

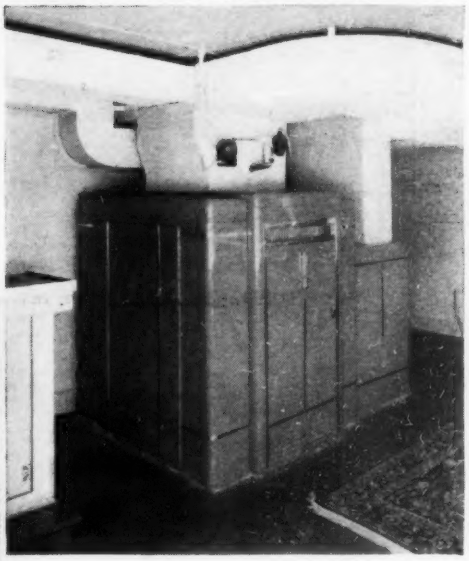
[*Please turn to page 134*]



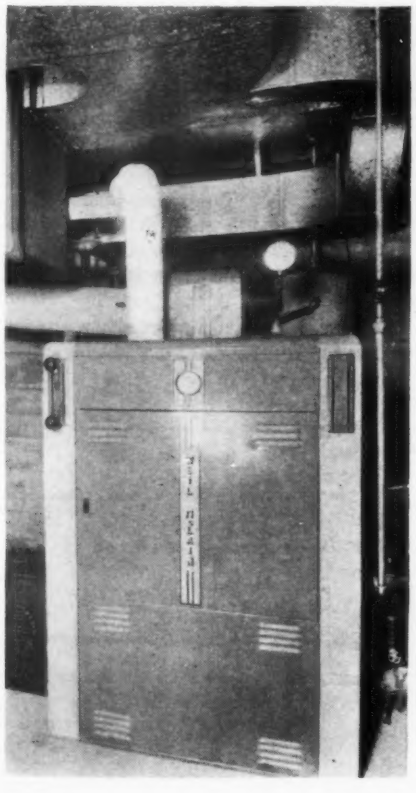
No matter what climate you have, the Delco-Frigidaire year round conditioner is practical and useful

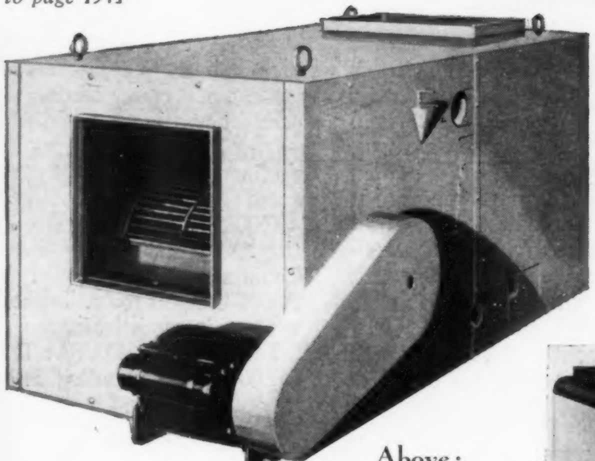


Iron Fireman "Coal Flow" stoker installed in American Radiator Co. stoker-boiler



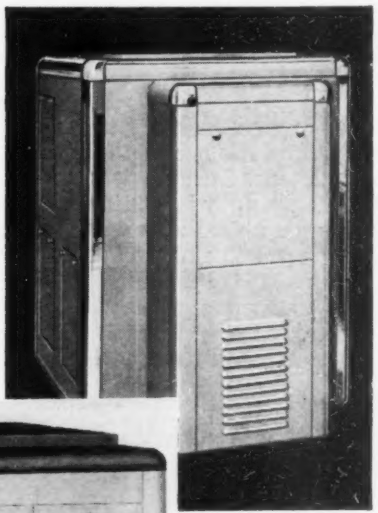
Above, the Fox Furnace "Sunbeam." The Airtemp air conditioner, left



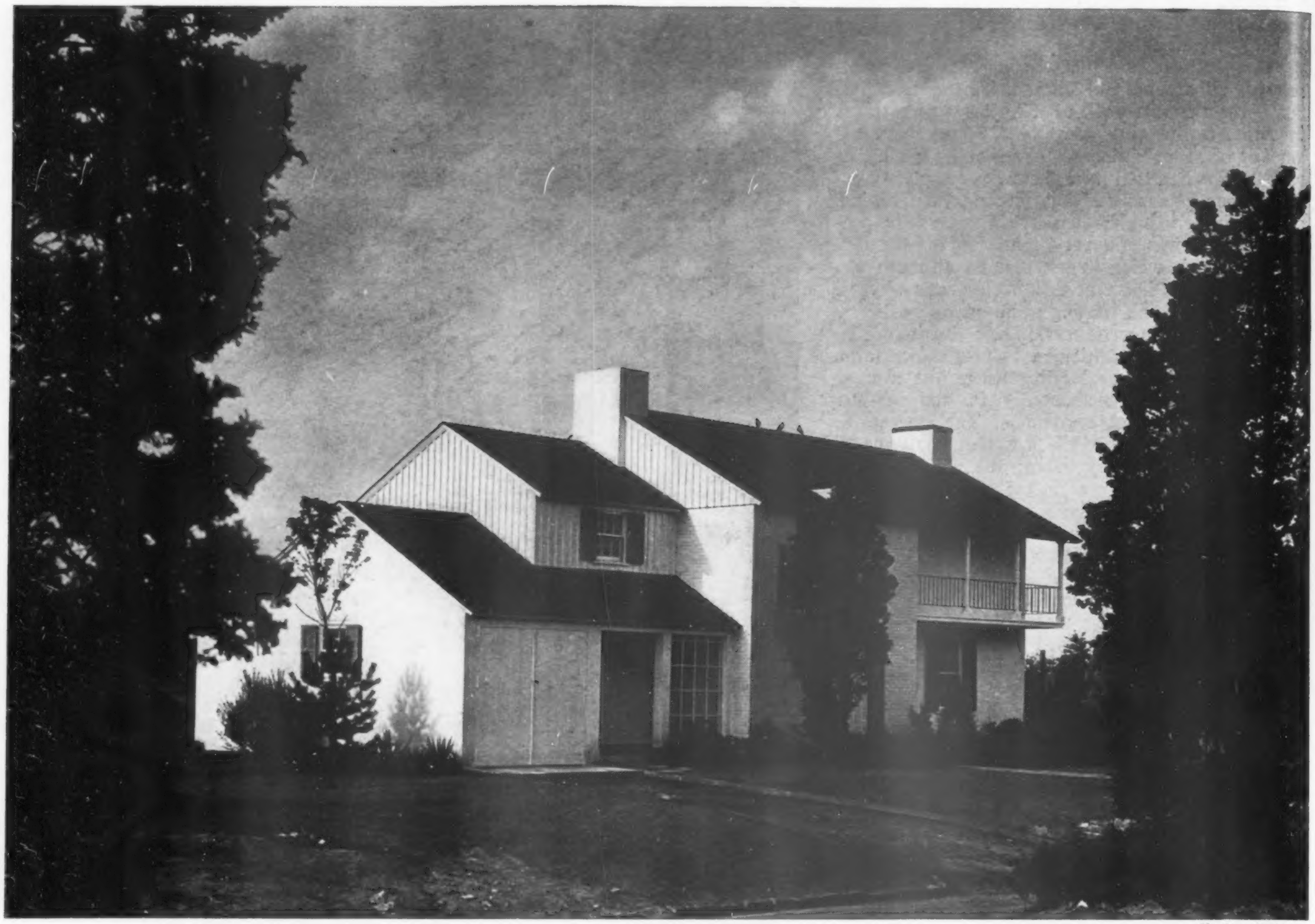


Above: The Kelvinator air conditioner

A Weil-McLain steam boiler provides steam for the heat exchanger in the Carrier air conditioner, left. This system is fired by the Iron Fireman "Coal Flow" stoker



Above, the Holland air conditioning unit. At the left is a Timken Silent Automatic conditioning unit



Gustav Anderson

Monterey Influence on Long Island

"The Cedars" - Sale price including lot, $9,450

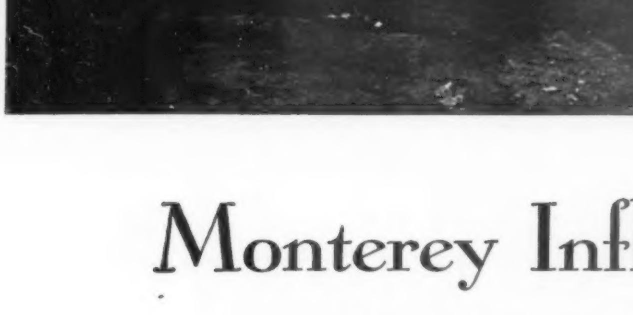
BUILT on the sandy shores of the southern side of Long Island, this house is one of the few Monterey homes attempted by Eastern architects. Certainly it is a satisfying example of the style, developed so successfully in California and in Texas. The house has no basement, has a gas-fired air conditioner, and a two-story porch on the garden (or rear) side of the lot. It is unusually pleasant because the plan is such that the living room, dining room, and the three bedrooms all take advantage of very desirable garden exposures. Designed for present day living, it has everything that the average family could want. The architect has studied our needs and provided exactly what most of us demand for comfort and efficiency.

The off-white walls, of stucco on metal lath, contrast effectively with a Congo brown cedar shingled roof. Double-hung windows of white pine and olive-gray blinds give character to the house. Four-inch mineral wool over the second floor and insulation lath in the walls insure comfort at all times of the year and during the most severe weather.

This house was completed in October, 1936, at a sale price, including the land, of $9,450. With 20,000 cubic feet, it costs about 34 cents per cubic foot.

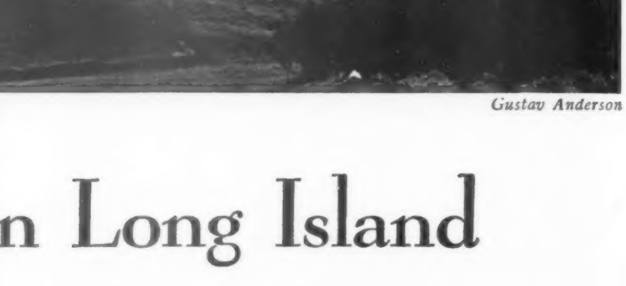
CONSTRUCTION DATA: Walls: Stucco, on metal lath. Insulation: 4" mineral wool over 2nd fl. Insulation lath in walls. Roof: Cedar shingles. Windows: White Pine, double-hung. Walls: Off-white. Roof: Congo brown. Trim: White. Blinds: Olive gray. Heating: Gas; winter air conditioning.

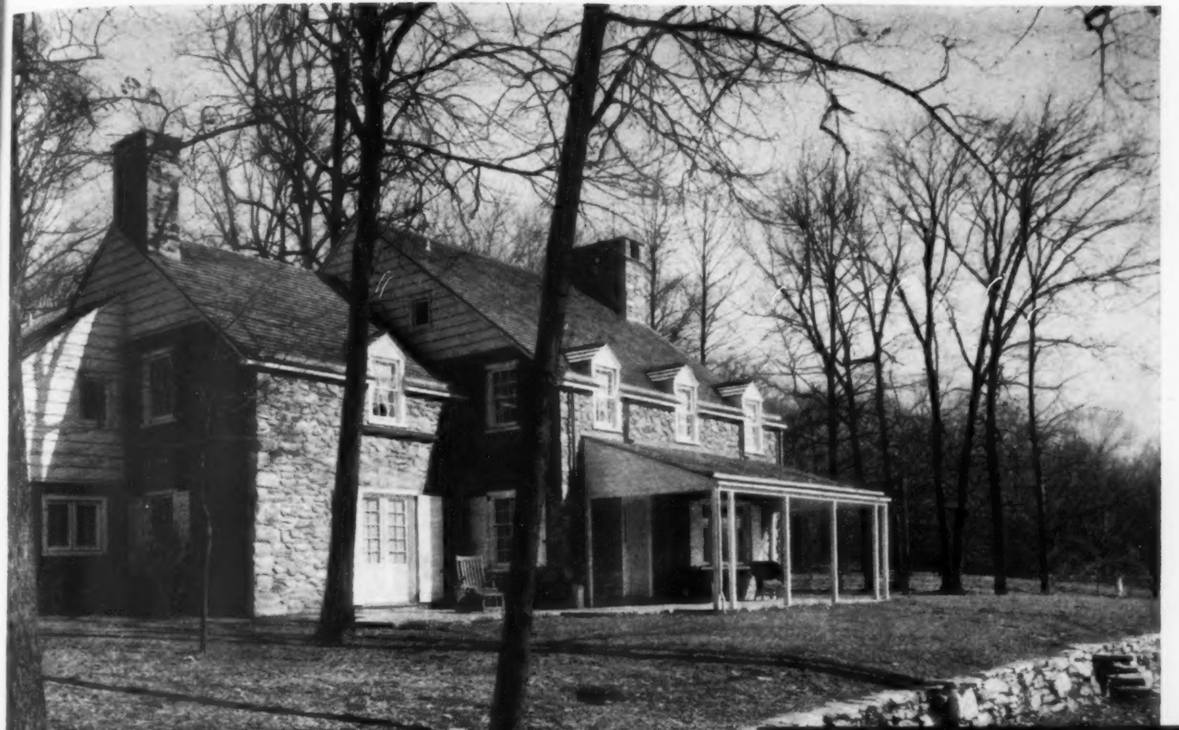
FINANCIAL DATA: Down payment: $2,350; monthly payment: $67.00 FHA, including interest, taxes, insurance, and amortization.


STORAGE
KITCHEN
9^{0} x 12^{0}
DINING RM
11^{0} x 12^{6}
PORCH
6^{6} x 22^{6}
GARAGE
9^{0} x 18^{0}
LIVING ROOM
13^{0} x 20^{0}
HALL
HEATER ROOM
SERVICE PORCH
CL

RANDOLPH EVANS
Architect

HARMON NATIONAL REAL ESTATE CORP.
Owner

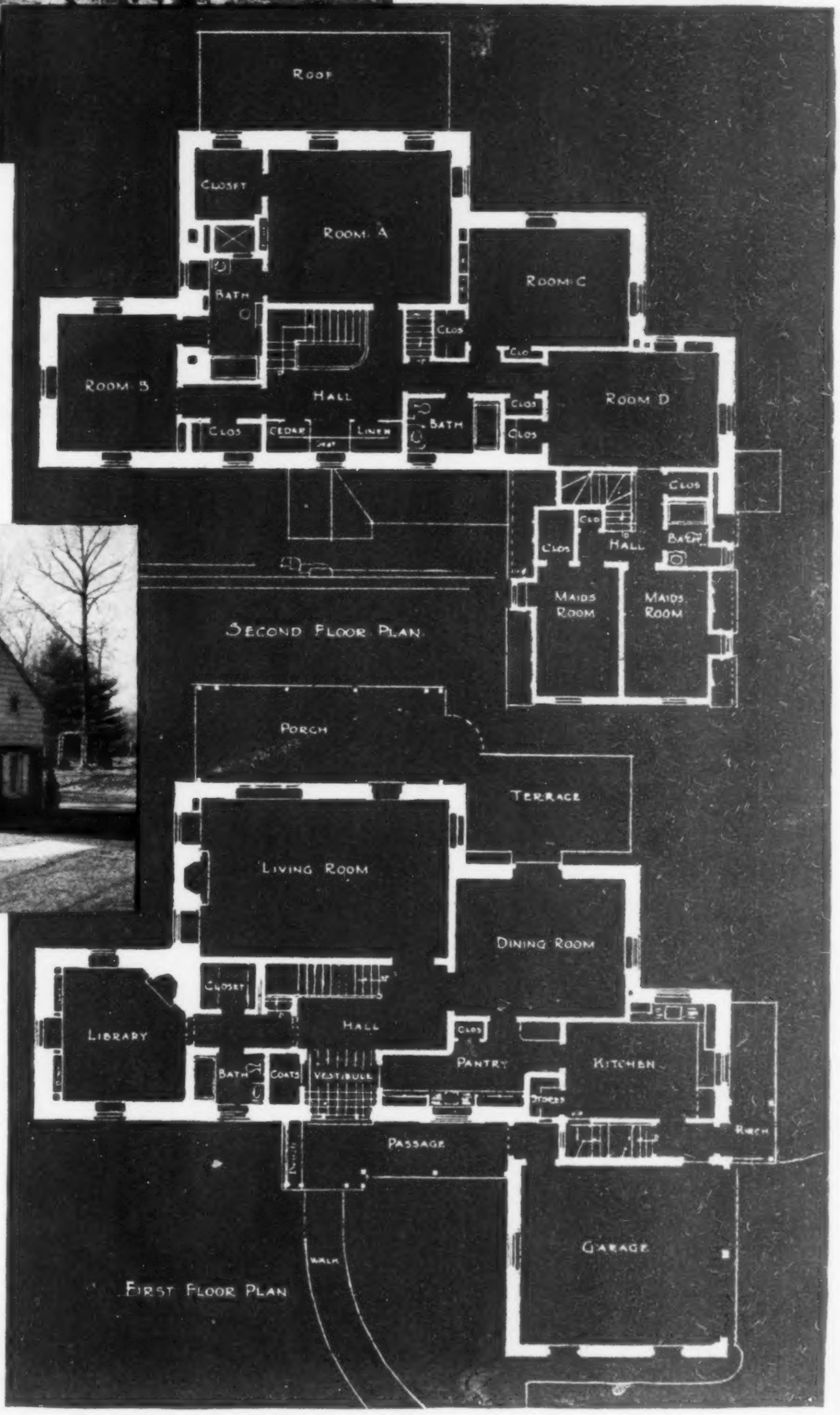

BED ROOM
9^{0} x 15^{6}
BED ROOM
11^{0} x 12^{6}
PORCH
CL
LW.
BED ROOM
13^{0} x 16^{0}
HALL
CL
CL
BATH
BALCONY



FIELDSTONE and CLAPBOARDS

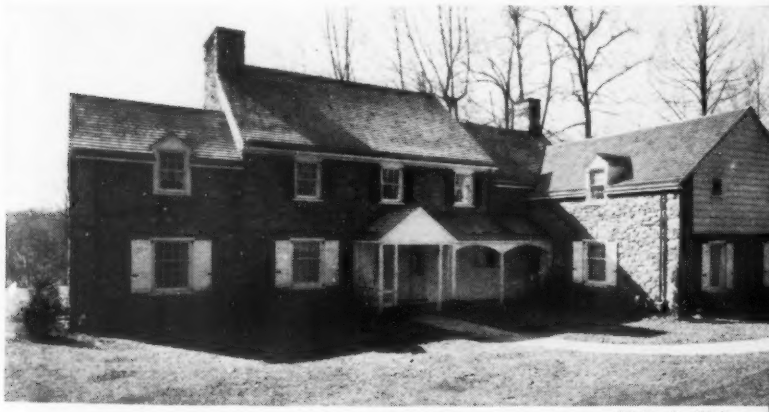
St. Davids Pennsylvania

RICHARD W. MECASKEY
Architect


Roof
Closet
Room A
Room C
Bath
Clos
Clo
Room B
Hall
Room D
Clos
Cedar
Linen
Bath
Clos
Clos
Clos
Clo
Hall
Bath
Clos
Maids Room
Maids Room
Second Floor Plan
Porch
Terrace
Living Room
Dining Room
Closet
Hall
Library
Bath
Coats
Vestibule
Clos
Pantry
Kitchen
Stores
Porch
Passage
Walk
Garage
First Floor Plan

LOCATED on a corner lot of about one and a quarter acres, all the main rooms, porch, and terrace are on the south side, to insure the best exposure as well as privacy from the road. This design also enabled the architect to plan the house much closer to the road than would otherwise be advisable on so large a plot. Of stone and clapboards, it is a pleasing modern adaptation of old Pennsylvania tradition, designed for Mr. Sumner B. Emerson of St. Davids, Pennsylvania.

An interesting feature of the plan is the library, so designed that it might be converted into a guest room, with complete bathroom facilities. A large closet in the passage, with a built-in chest of drawers, has the additional advantage of making of this library-guest room an isolation ward in case of sickness.



Philip B. Wallace

CONSTRUCTION DATA:

STRUCTURE: Exterior walls—18 in. stone, 2 x 3 in. stripping, 2 in. rock wool, rock lath, U.S. Gypsum Co., and plaster. Interior partitions—wood studs and hard wall plaster.

ROOF: Wood shingles.

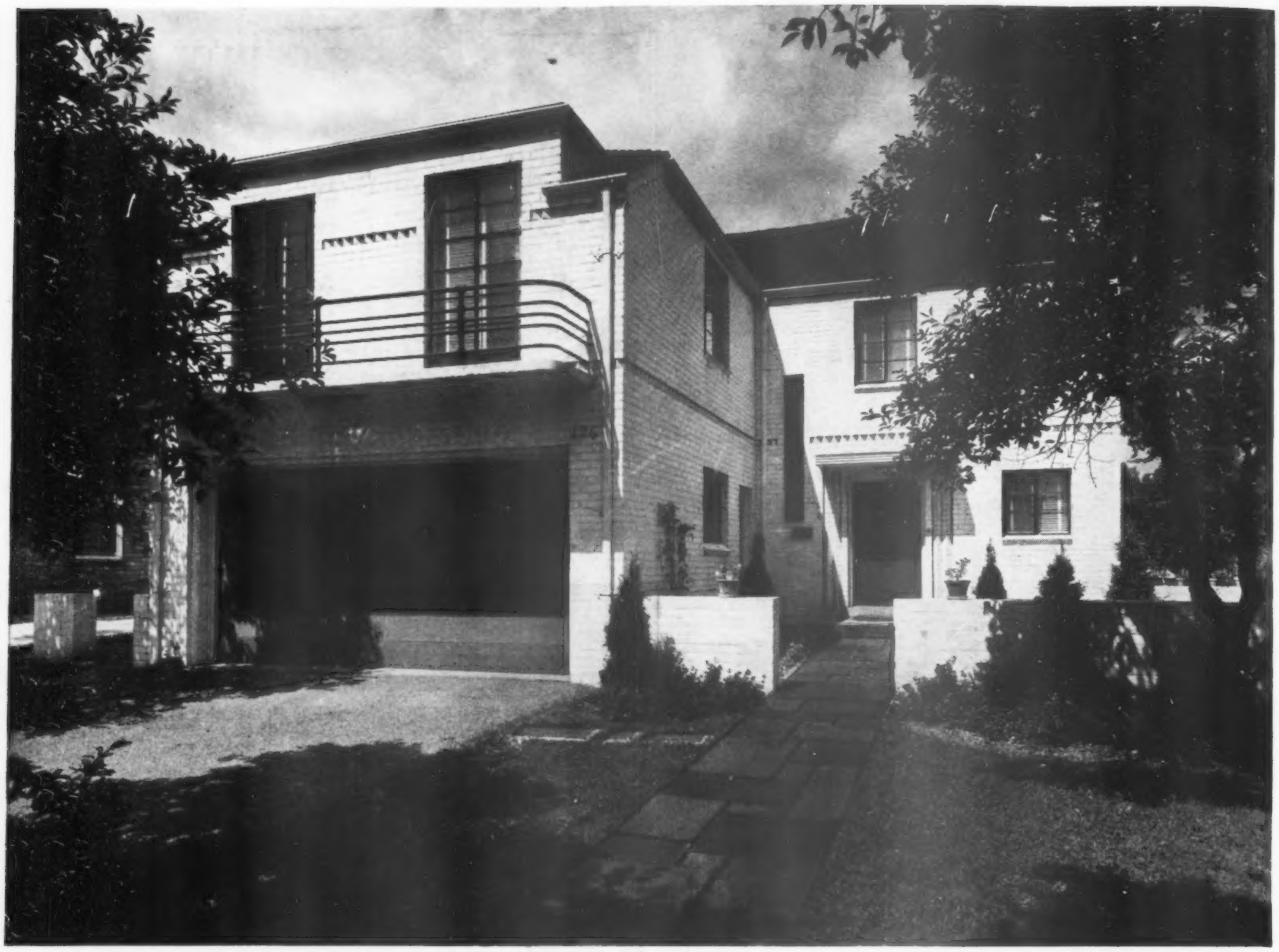
CHIMNEY: Stone with terra cotta flue lining.

SHEET METAL WORK: Copper flashing, gutters, leaders.

INSULATION: Outside walls— 2 in. rock wool. Attic floor and over garage ceiling—4 in. rock wool. Weatherstripping.

WINDOWS: Sash—white pine, double hung and casement. Glass—double strength, Libbey-Owens-Ford Glass Co.

[*Please turn to page 131*]



MODERN BRICK in Grosse Point, Michigan

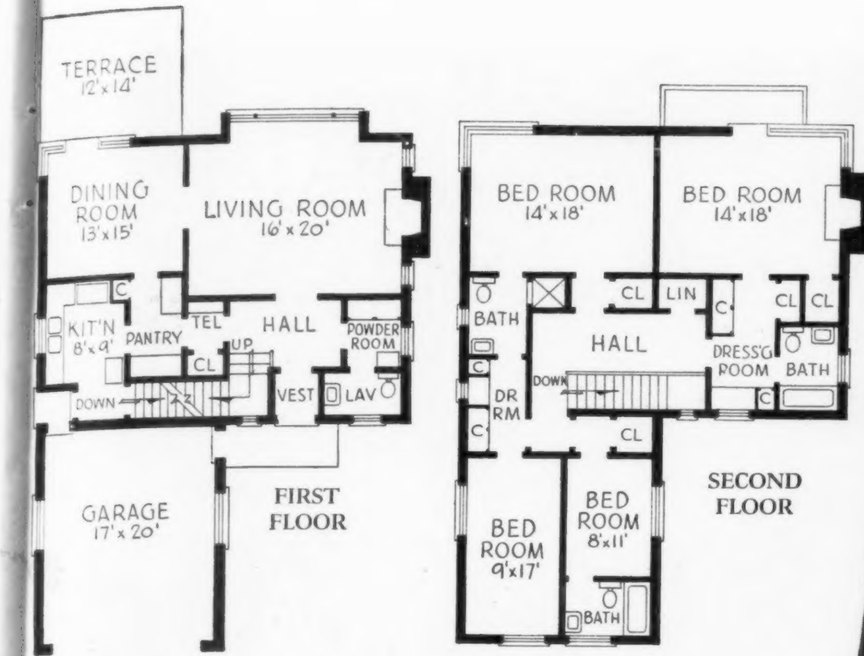
RESIDENCE OF WILLIAM H. DENLER, *Architect*

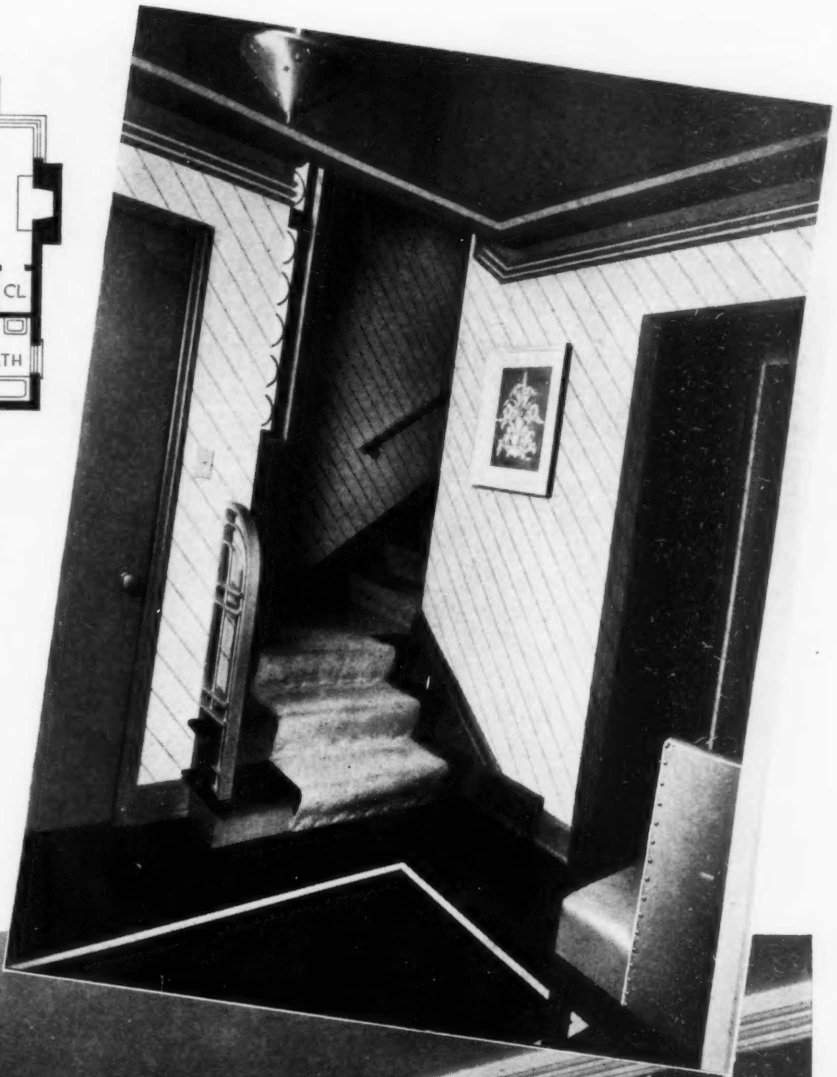
A FAÇADE for living nowadays implies a means of entrance and exit that is speedy and automative, and here in this modern, trim, yet reposeful house of brick is a bright answer. It cleverly cancels those wearisome problems of where to house motor cars without yielding them the ground intended for recreation, or that part of the house desirable for a nursery or an extra bedroom. However, in this residence you can have both the garage and two bedrooms, plus a neat driveway where your friends can park comfortably and safely while visiting.

Such utilitarian designing does not forego the American tradition of a neighborly front, for seldom has a more inviting walled front garden been managed in connection with such a garage. The style of the entire house denotes that all the creative force was reserved for intimate needs, and not wasted on superfluous details of ornamentation. Two rows of saw-tooth pattern serves to break up what would otherwise be too plain an exterior surface. The entrance proper receives a treatment of brick moldings similarly restrained in detail.

Entering the vestibule and hall, the color note of the entire downstairs is struck by the dark blue linoleum floor, the woodwork and

KITCHEN AND LIVING ROOM

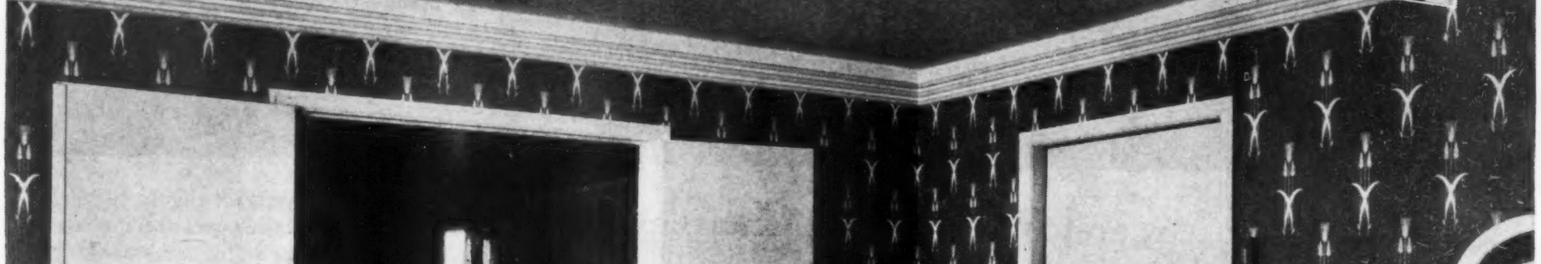

TERRACE 12'x14'
DINING ROOM 13'x15'
LIVING ROOM 16'x20'
C
KIT'N 8'x9'
PANTRY
TEL
UP
HALL
POWDER ROOM
CL
DOWN
VEST
LAV
GARAGE 17'x20'
FIRST FLOOR
BED ROOM 14'x18'
BED ROOM 14'x18'
BATH
CL
LIN
C
CL
CL
HALL
DRESS'G ROOM
BATH
DOWN
DR RM
C
CL
BED ROOM 9'x17'
BED ROOM 8'x11'
BATH
SECOND FLOOR



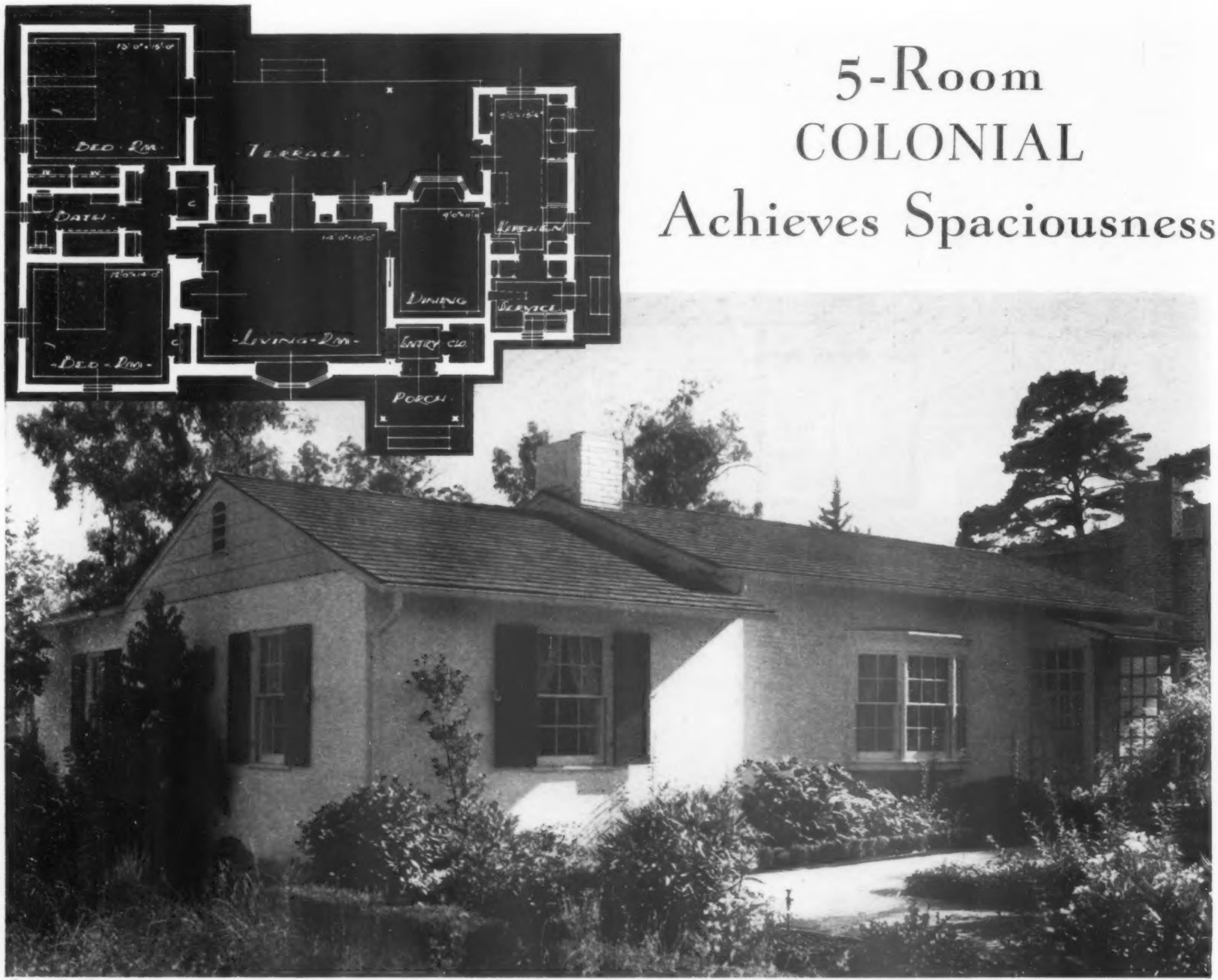
ceilings of medium blue with gray wallpaper containing diagonals of yellow and blue Beyond, in the living room, can be glimpsed the same blue linoleum floor, with a gray striped wallpaper, off-white woodwork, and lemon yellow ceiling with a large rug of off-white color. All the furniture is covered in light gray, blue, or very dark orange, a variation of textiles and colors that immediately pronounce it a room of contemporary interest.

[*Please turn to page 83*]

F. S. Lincoln



5-Room COLONIAL Achieves Spaciousness



George D. Haight

Residence of Mr. and Mrs. Vernon Charnley in Pasadena, California

ROLAND E. COATE
Architect

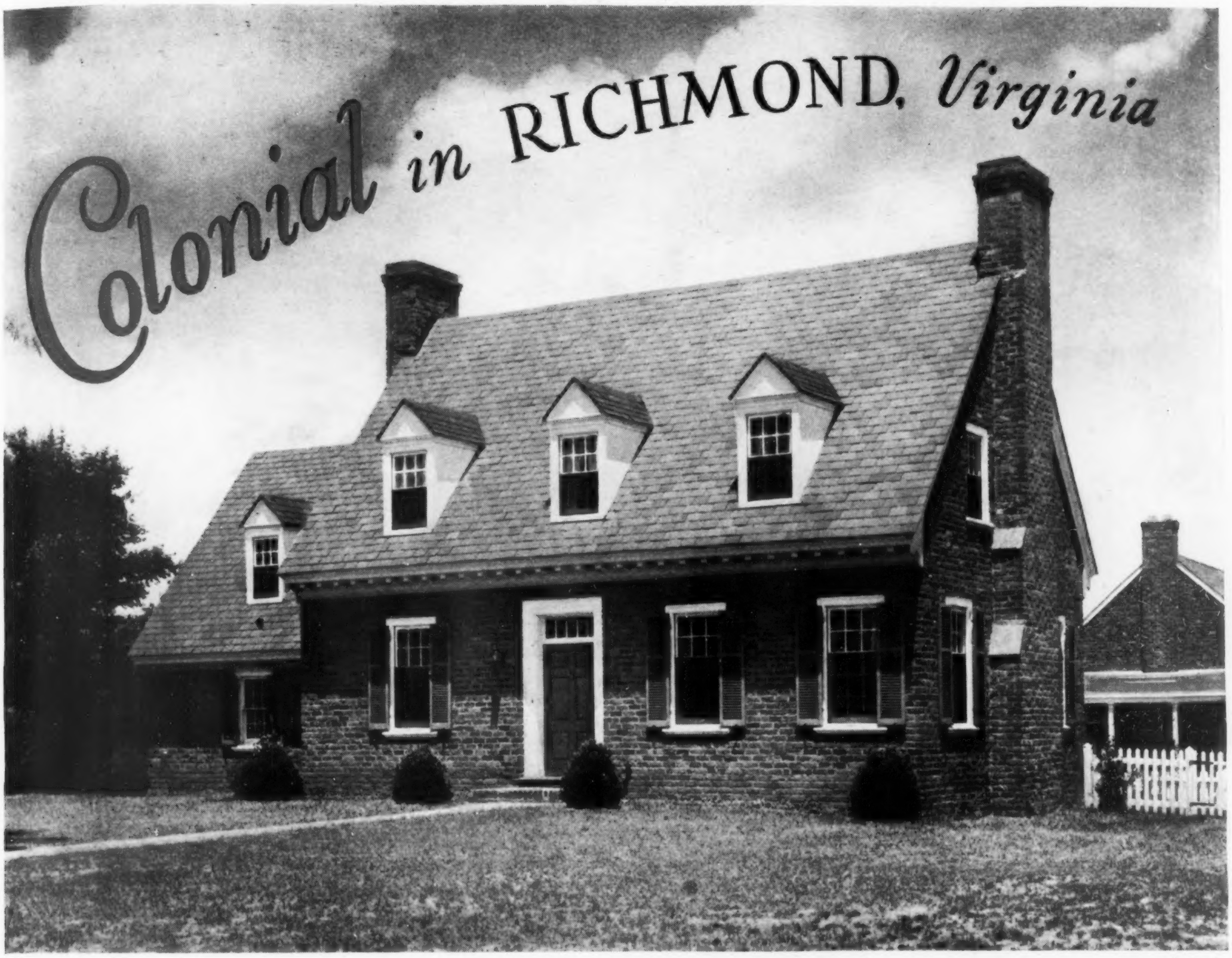
FLORENCE YOCH and LUCILE COUNCIL
Landscape Architects

CALIFORNIA Colonial in a distinctively simple version, this small house speaks for the beauty accomplished by excellence of design, sound construction, and thoughtful landscaping—a trinity too often slighted in the field of five-room houses. Here, by setting the house reasonably close to the street, the dilemma of a shallow city lot was overcome, thereby opening the rear of the property for the garden space and outdoor living so essential to California life. The U-shaped plan contributes not only to the sense of privacy, but makes provision for a future maid's room to be added behind the kitchen, and for another bedroom and bath beyond the master bedroom. Thus the usual inelasticity of the small house is avoided, and the future wings may stretch back to enclose the garden, further enhancing the privacy and attraction of the house rather than producing the lean-to effect which often results from trying to make a small house stretch.

The simple front façade with its single green shuttered window on the plaster wall, the effective bay window on the whitewashed brick wall, the latticed entrance porch, and neatly stepped line of the gabled roof are admirably handled with restrained dignity. For this very reason the contrast of the garden side of the house—informal, intimate, welcoming with its bricked terrace—is delightful and perhaps, a little surprising. Certainly the front of the house with its neat yellow paths of decomposed granite, trim beds of boxed-in English ivy and proper privet hedges is authentically Colonial! But once you step from the entrance hall into the living room and see the garden creeping right up to the spacious

[Please turn to page 138]

Colonial in RICHMOND, Virginia

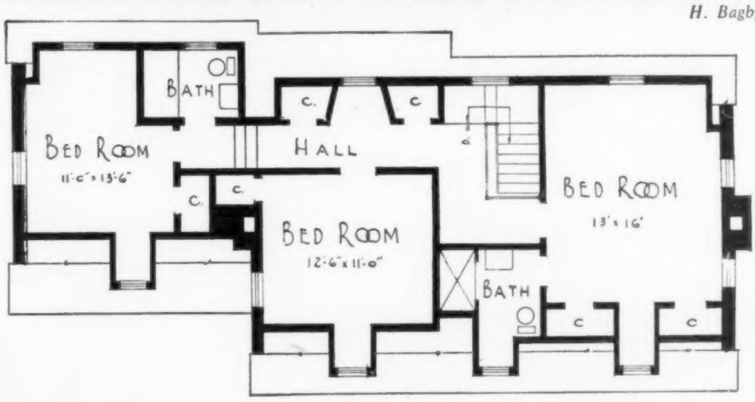


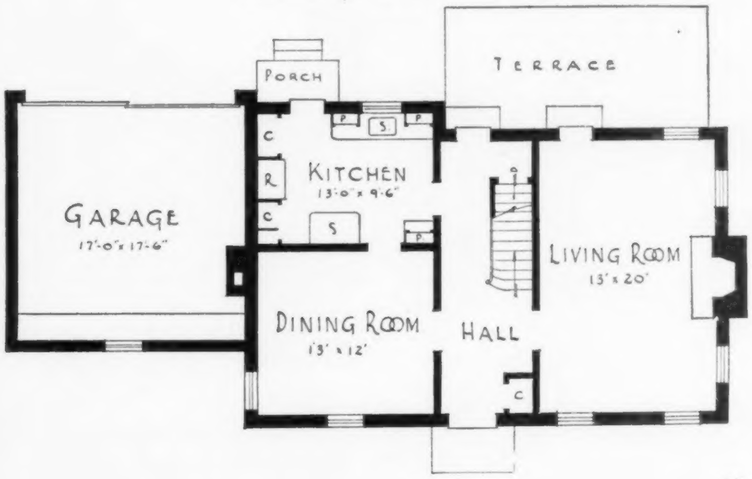
H. Bagby

C. W. HUFF, JR.
Architect

It is a stalwart little house—this home of Mr. and Mrs. Ralph Chesson—a house that undeniably has character. Outwardly it is an authentic replica of the fine old Early American homes of Williamsburg, Virginia. Inwardly, while retaining all the gracious features of the early period, it has, in addition, every modern device that makes for comfort and convenience. Thus it combines the strength, dignified taste, and hardy virtues of an illustrious heritage with the efficiency, sophistication, and buoyancy of the modern era. It is a house for all times, for

[*Please turn to page 64*]


BATH
C.
C
BED ROOM
11'-6" x 13'-6"
HALL
C.
C.
BED ROOM
12'-6" x 11'-0"
BED ROOM
13' x 16'
BATH
C
C


PORCH
TERRACE
P
S
P
C
R
C
KITCHEN
13'-0" x 9'-6"
S
P
GARAGE
17'-0" x 17'-6"
LIVING ROOM
13' x 20'
DINING ROOM
13' x 12'
HALL
C

Roofs- - -

Hand-split cypress shingles guaranteed to last for generations

Harrison

A sod roof—picturesque, warm in winter, heatproof in summer

DAVID GEORGE BAREUTHER

WILL THE roof on your new home withstand the rigors of the elements year in and year out, or will you come home from a vacation trip to find plaster and wallpaper irremediably stained, curtains and draperies ruined, and your confidence in the security of your home sharply jolted? That depends to a great extent on the kind of roof you have. Happily, it seems that a beautiful roof and an enduring roof may come hand in hand. Being one of the most conspicuous parts of a house, its presentability is every bit as important as its quality.

This is the season when cloudbursts and summer storms put roofs to severe tests. It is the season when intervening dry spells give the home owner the best opportunity to have new roofing laid.

It used to be that the locality in which a house was built dictated to a great extent the type of roof. Cypress was available in Louisiana, cedar in British Columbia, slate in Vermont, tile in Kansas, and copper in Michigan, but the pioneer building his first cabin on the Dakota plains had access to none of those materials and so he used sod for his roof. Today, with our modern advantages of industry and distribution, the home builder may choose any material from stone to thatch, and even to sod, for they all have been made practicable and, at the same time, very attractive in appearance.

The roof of today's house may have the neat geometric pattern of machine cut shingles, slate, tile, asbestos or asphalt—or it may be finished in the rugged, rustic style afforded by handsplit cypress and cedar, rough heavy slates and antique tiles, to simulate the beauty of Colonial "home spun" construction. If the house is "moderne" with a flat roof to carry out the plain horizontal lines of such architecture, lead-coated copper will last indefinitely—it has been on the roof of Trinity Church in New York for ninety-two years.

And don't smirk at sod! If you would like flowers and grass to

An unusual roof treatment combines sod and half-split cedar logs

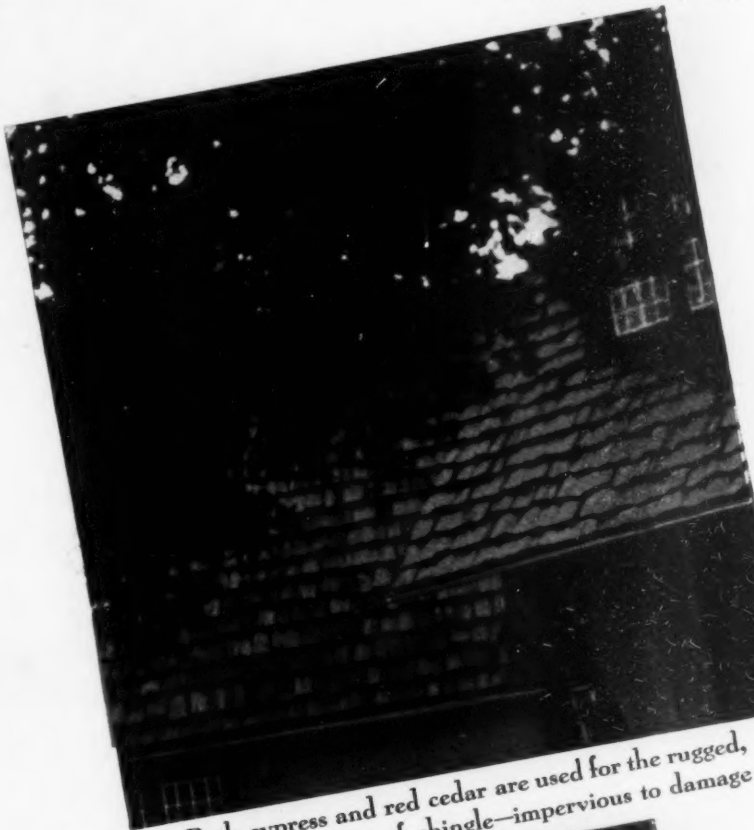
grow on your roof, sod is the material to use. One of the most picturesque residences in New York's suburban territory is the home of Lennart Palme, Swedish architect, who designed his own house in true Scandinavian style. Although it is located in the exclusive Sterling Ridge section of Westchester County, where most of the luxurious dwellings have heavy slate roofs, Mr. Palme's home is covered with sod. Superimposed on copper sheeting and roofing felt, sod provides a watertight shelter of snug and warm insulating quality in winter, while being virtually heatproof in summer. Dandelions and clover grow profusely on that roof. Almost any summer evening Architect Palme may be seen with his garden hose sprinkling the lawn on his roof. The writer, however, has not yet seen him risking his neck up there with a lawn mower.

One of the most interesting materials for roofs today is the handsplit shingle. It looks as if it were a hundred years old, and of course, it is intended to. Both cypress and red cedar are handsplit today in the same manner as they were in Colonial days. A log is quarter sawed; sap wood ring is removed, and thick slices are split off with the natural grain. In order to obtain a smooth, weathertight back and a tapered shape, these slices are sawed diagonally, edge-grain, which leaves the rough split surface remaining to view. Thickness at the butt is irregular, ranging from a half inch to an inch and a quarter. The final effect of such random sizes when laid is a handsome roof of rustic appearance, rich in highlights and shadows as the sun slants across it.

Carpenters call such shingles "shakes." It's an old name handed down from early American craftsmen. They require no paint or stain. The weather finishes them to a soft silver gray with a satinlike sheen. On sidewalls they may be painted if desired, and because of their irregular thickness and width they produce an appropriately Colonial touch. When laid on the roof or sidewall with rustproof nails, handsplit cedar shingles are guaranteed by any lumber firm for twenty years, and cypress should last for generations.

Many historic buildings in America have cypress shingles. Old St. Charles Church at Grand Coteau, St. Landry Parish, Louisiana, was built in 1819 with cypress siding and cypress shingles, and when it was demolished in 1910 the siding was used again in new work,

[*Please turn to page 101*]



Both cypress and red cedar are used for the rugged, rough-hewn type of shingle—impervious to damage

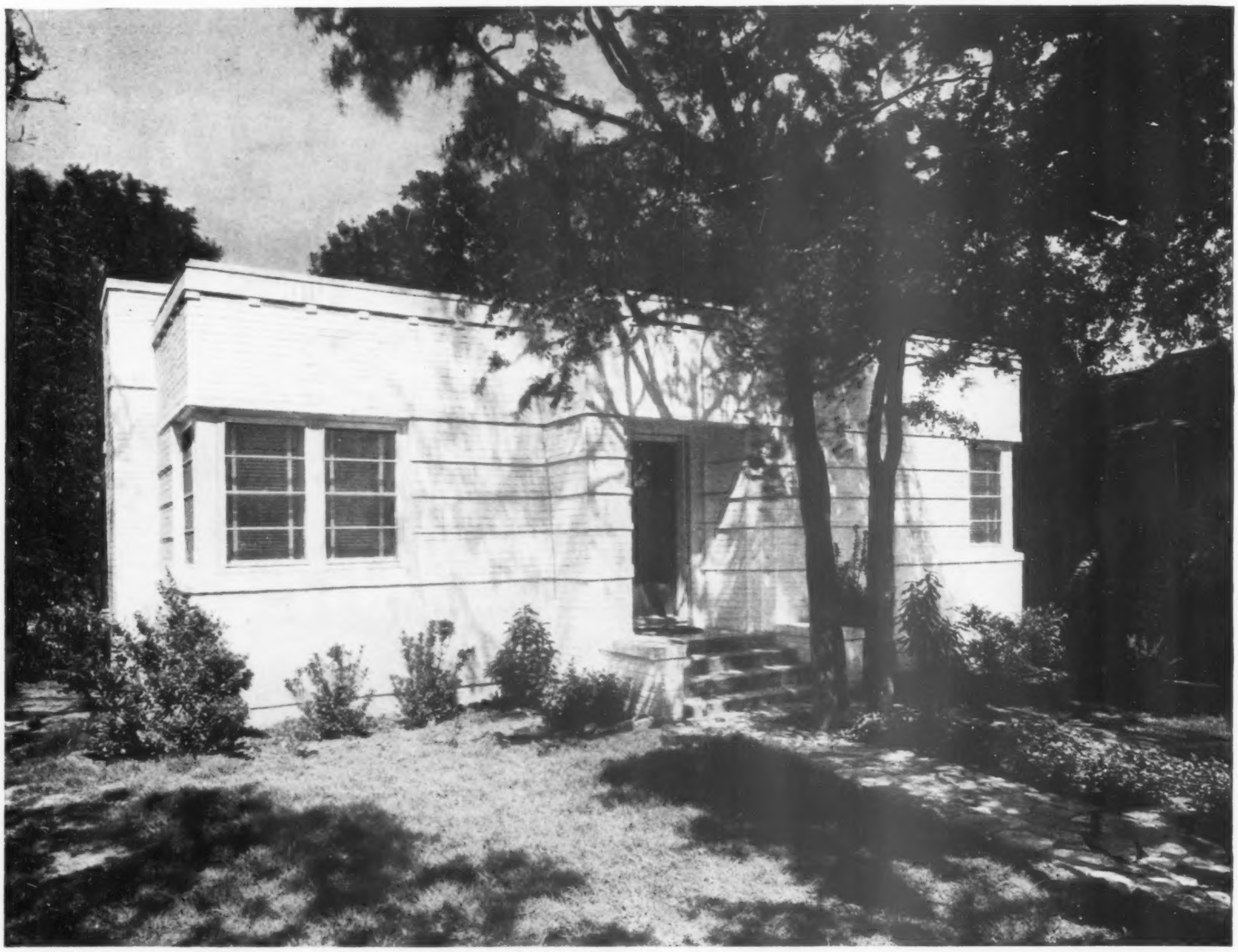
Richard Southall Grant

Slate is another historic roofing material. Assorted colors achieve an attractive effect

Tebbs & Knell

Tile is one of the oldest roofing materials in the world, used in many shapes and colors

Close view of the Williamsburgshingle, made of asbestos, to simulate weathered cedar



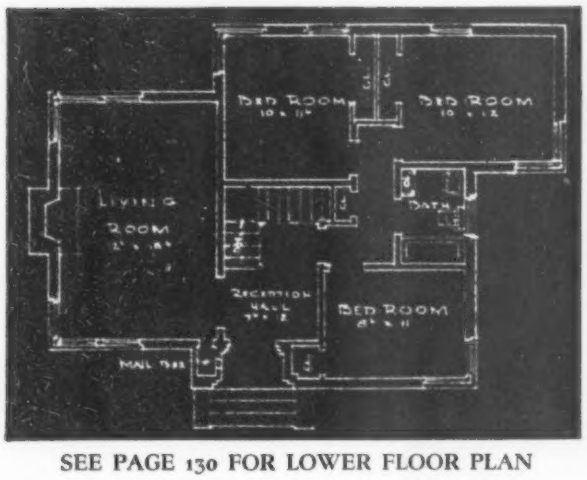
Three-Cornered Living in Austin, Texas

FRANCES SEYBOLT

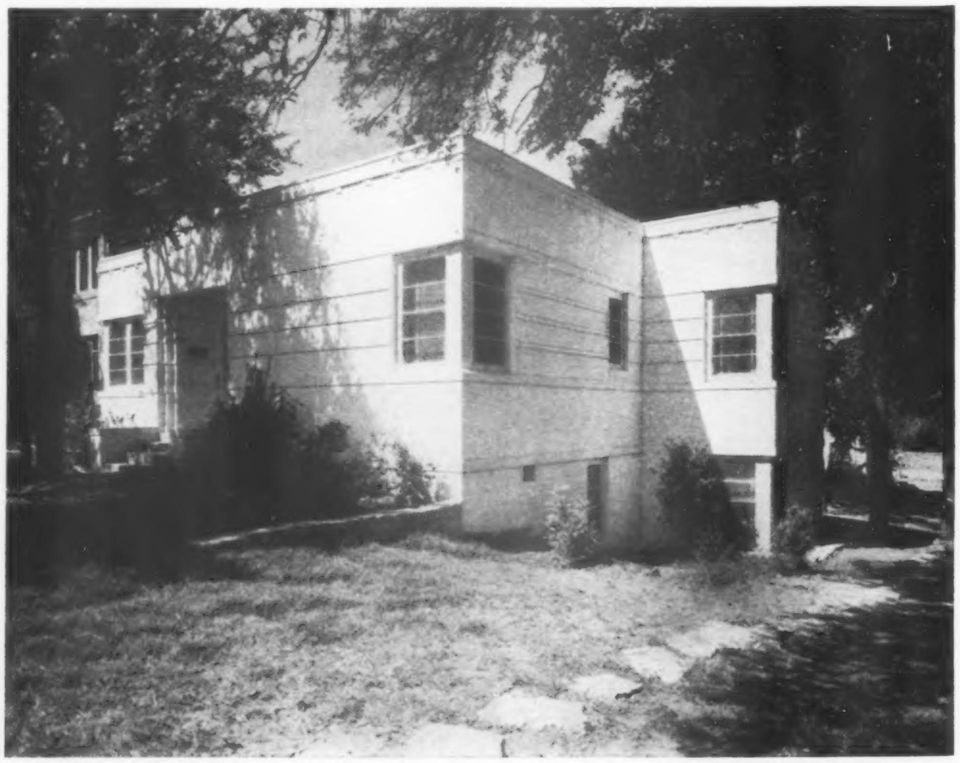
It is not unusual for two people, unrelated by marriage or otherwise, to find it profitable or agreeable to live together. Less frequently do three people make the arrangements, and later the adjustments, necessary to maintain a three-cornered home, sharing alike in the expenses, interests, and comforts. With us it was, frankly, an experiment, and one

[*Please turn to page 130*]

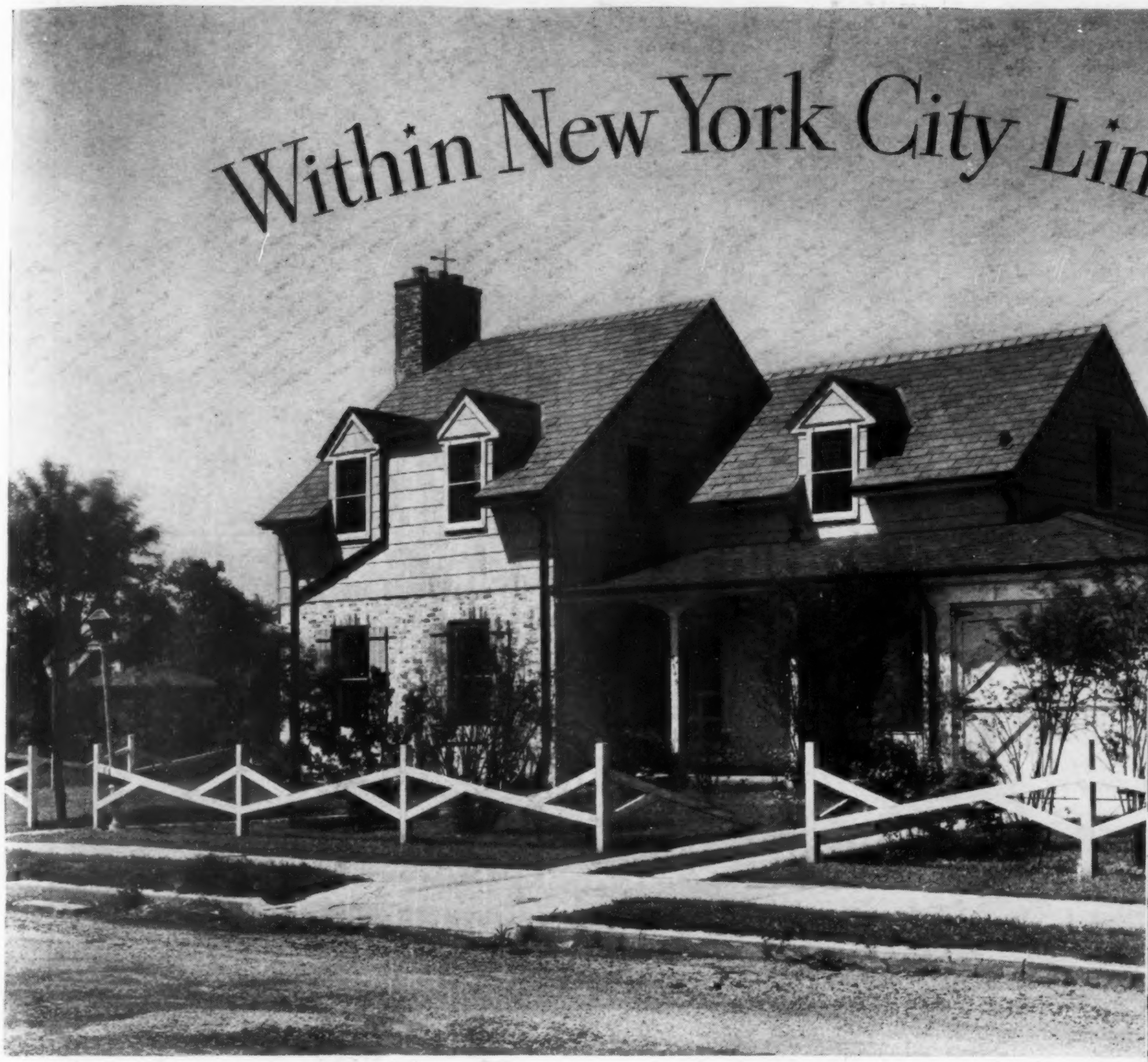
STREET FLOOR PLAN


BED ROOM
10 x 11'
CL
CL
BED ROOM
10 x 12
LIVING ROOM
BATH
RECEPTION HALL
BED ROOM
8' x 11
MAIL BOX

SEE PAGE 130 FOR LOWER FLOOR PLAN



Within New York City Limits

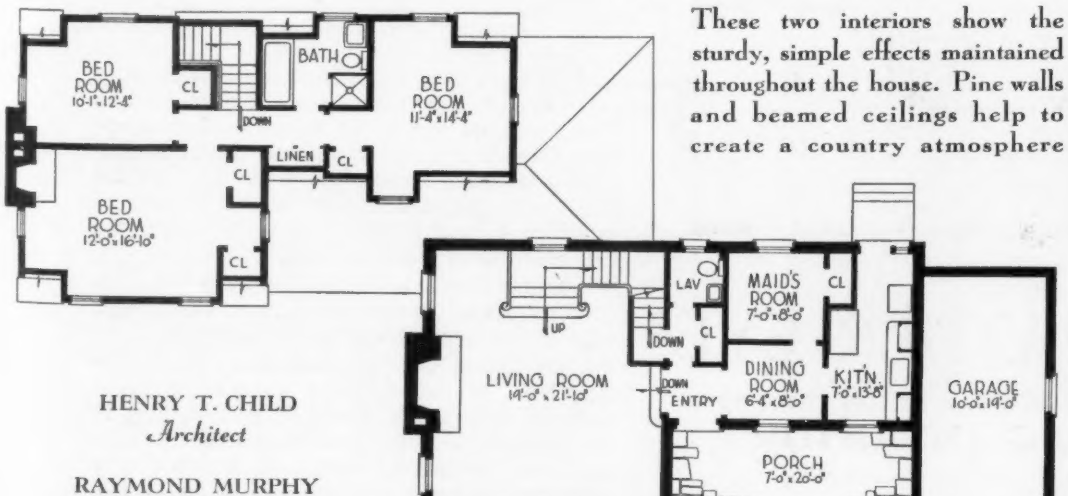


F. M. Demarest

It is hard to believe that this roomy, Colonial house is actually within the limits of the city of New York, but such is the case. Located on Eastchester Bay in the Bronx, on the old site of the Westchester Country Club, it provides real country living and a glorious view of the water for its owners, Mr. and Mrs. Philip Hunter, in contrast to the usual "development" house which is much too familiar in all of the outlying city districts.

The house is planned for two adults, a child, and a maid. The big square living room on the first floor opens from a passageway which might normally be waste hall space, but here is utilized as a small dining alcove, since it gives onto the kitchen at the other end. The bath on the first floor serves for the maid, and also for family guests upon occasions.

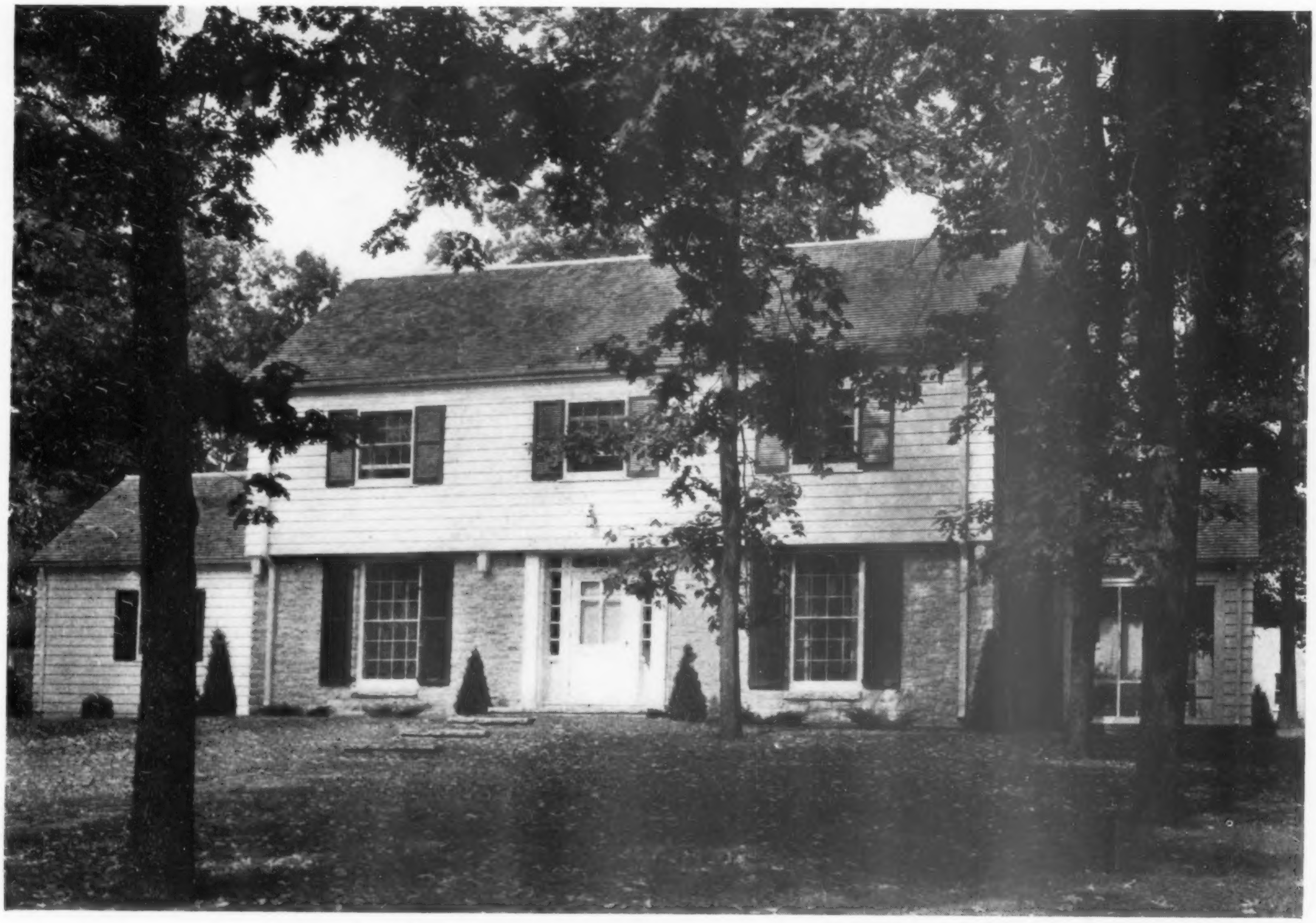
The interior of the house is a very personal affair indeed. In containers set in the brick of the living room chimney, which rises eight feet wide from floor to ceiling, are mementos precious to the owners. A ship-patterned chintz is used at the windows, laced onto wooden poles with ordinary ship cord, and the same cord makes the stair rail; and there is a ship's bell to announce meals. With a view of the bay out of most windows in the house, it seems logical enough that the marine atmosphere should be preserved.


BED ROOM 10'-1" x 12'-4"
CL
DOWN
BATH
BED ROOM 11'-4" x 14'-4"
LINEN
CL
CL
BED ROOM 12'-0" x 16'-10"
CL
UP
LAV
DOWN
CL
MAID'S ROOM 7'-0" x 8'-0"
CL
LIVING ROOM 14'-0" x 21'-10"
DOWN
ENTRY
DINING ROOM 6'-4" x 8'-0"
KIT'N 7'-0" x 13'-8"
GARAGE 10'-0" x 14'-0"
PORCH 7'-0" x 20'-0"

HENRY T. CHILD
Architect

RAYMOND MURPHY
Builder

These two interiors show the sturdy, simple effects maintained throughout the house. Pine walls and beamed ceilings help to create a country atmosphere

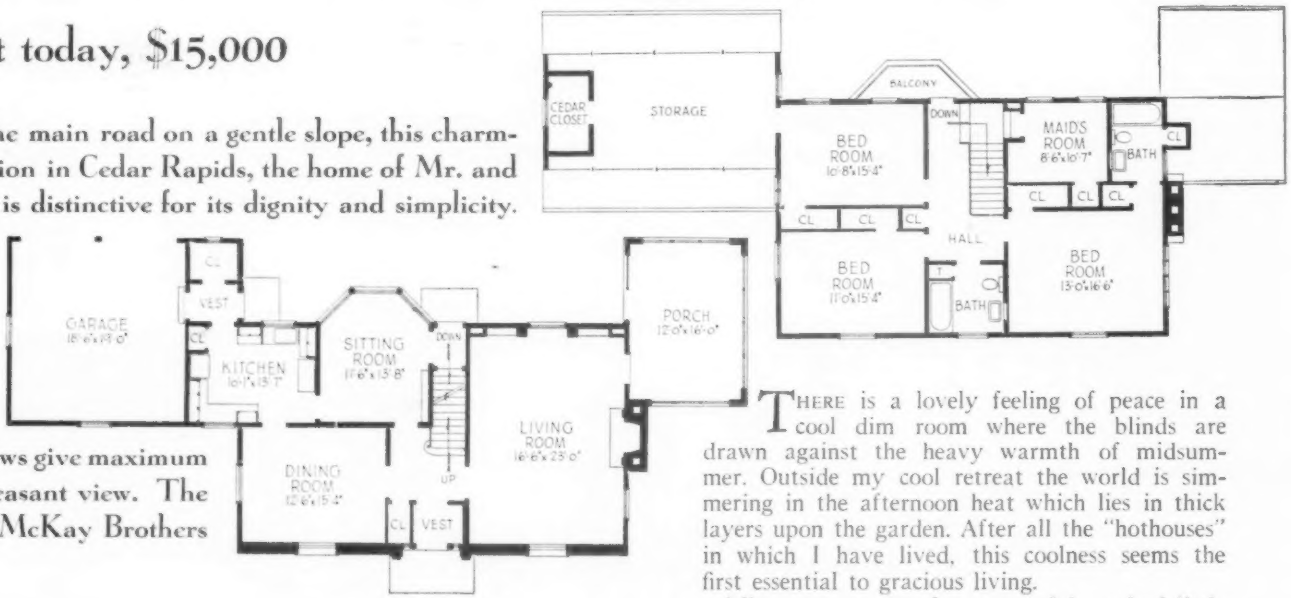


Thompson

Colonial in Cedar Rapids, Iowa

Cost today, $15,000

SET well back from the main road on a gentle slope, this charming Colonial adaptation in Cedar Rapids, the home of Mr. and Mrs. George W. Corey, is distinctive for its dignity and simplicity. Built of native stone and white ten-inch siding, its plan allows for rooms of generous proportions with no cut-up, waste spaces, and the floor-to-ceiling windows give maximum amount of sun and a pleasant view. The house was designed by McKay Brothers


CEDAR CLOSET
STORAGE
BALCONY
DOWN
BED ROOM 10'8"x15'4"
MAIDS ROOM 8'6"x10'7"
BATH
CL
CL
CL
CL
CL
CL
CL
HALL
BED ROOM 11'0"x15'4"
T
BATH
BED ROOM 13'0"x16'6"
CL
VEST
GARAGE 18'6"x19'0"
CL
KITCHEN 10'1"x13'1"
SITTING ROOM 11'6"x13'8"
DOWN
PORCH 12'0"x16'0"
LIVING ROOM 16'6"x23'0"
UP
DINING ROOM 12'6"x15'4"
CL
VEST

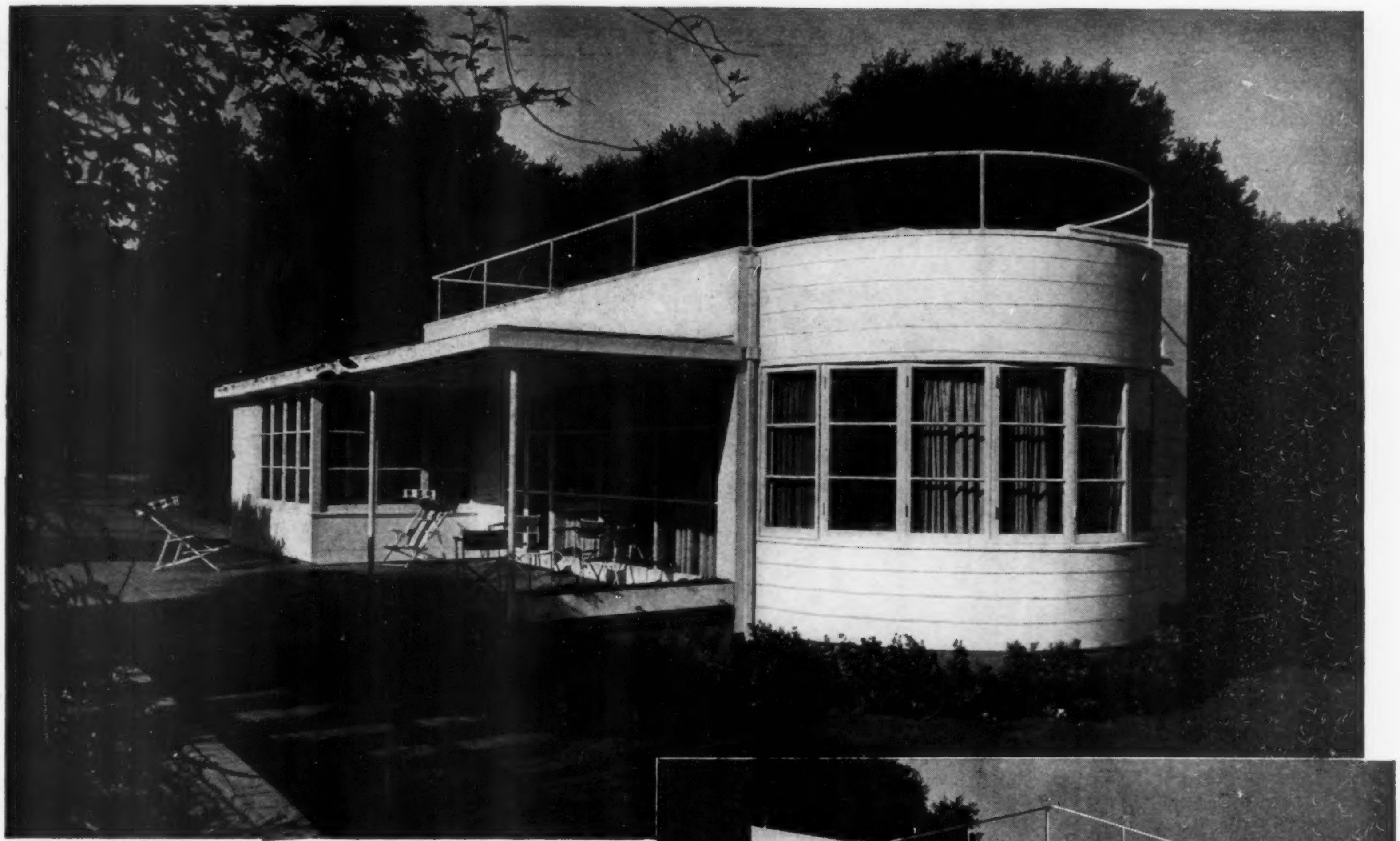
A WOMAN'S "WEATHER EYE" looks at "temperature proofing"

ETHEL McCALL HEAD

THERE is a lovely feeling of peace in a cool dim room where the blinds are drawn against the heavy warmth of midsummer. Outside my cool retreat the world is simmering in the afternoon heat which lies in thick layers upon the garden. After all the "hothouses" in which I have lived, this coolness seems the first essential to gracious living.

Like most women, I suppose, I have had little curiosity about the mechanical aspects of things; what made the wheels go around never bothered me. Of course, I have heard Terry speak frequently of "insulation," but it was a rather vague sounding term which meant little or nothing to me. Yesterday—a hot Sunday—I suddenly realized that "insulation," translated, means a very important economy and comfort in any home. It started with Terry, Peter, and Nance build-

[*Please turn to page 76*]



Week-end House—$4,800

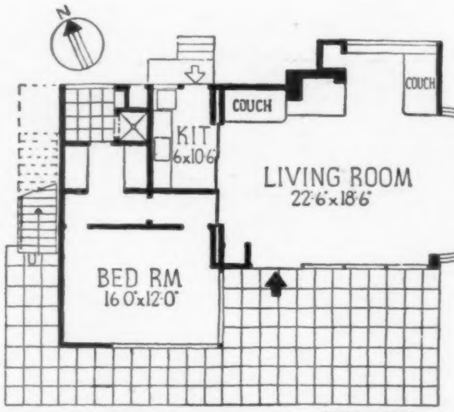
GARDNER A. DAILEY, *Architect*

ALTHOUGH primarily designed as a week-end house for a country estate, that of William Lowe, Jr., in Woodside, California, this attractive, modern little house serves a threefold purpose and therefore finds a place in this important collection of houses. The architect writes, "It takes care of the week-end guest; it can be used in the winter without the trouble of opening the large house, and if placed near a tennis court or swimming pool, it serves as a recreation center and provides dressing facilities.

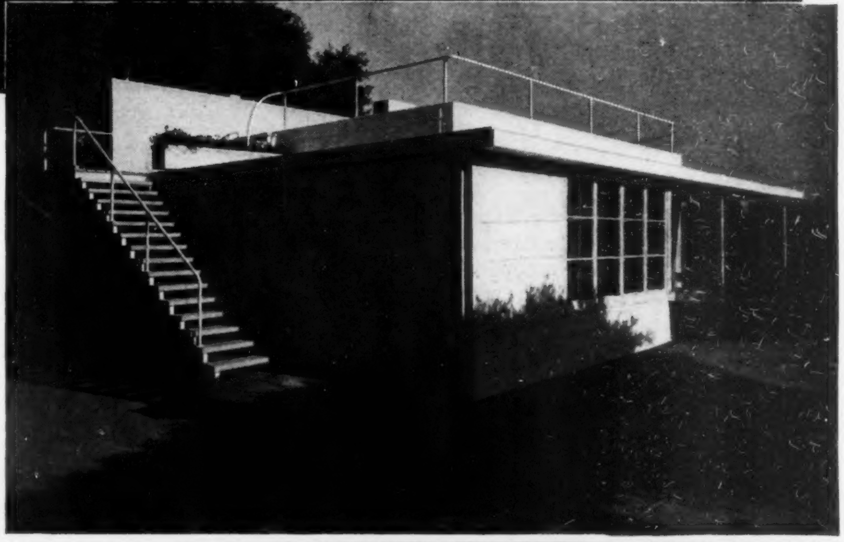
"The living room can be used for living, sleeping, and dining. The built-in sofas are comfortable beds. The sliding doors to the kitchen can be opened for buffet style meals or for drinks, and can be closed when more elaborate meals are prepared. To reduce housekeeping to a minimum almost all furniture is built-in, and floors are linoleum covered. Complete insulation has greatly added to comfort the year around, and has made it possible to heat the house with one small floor furnace."

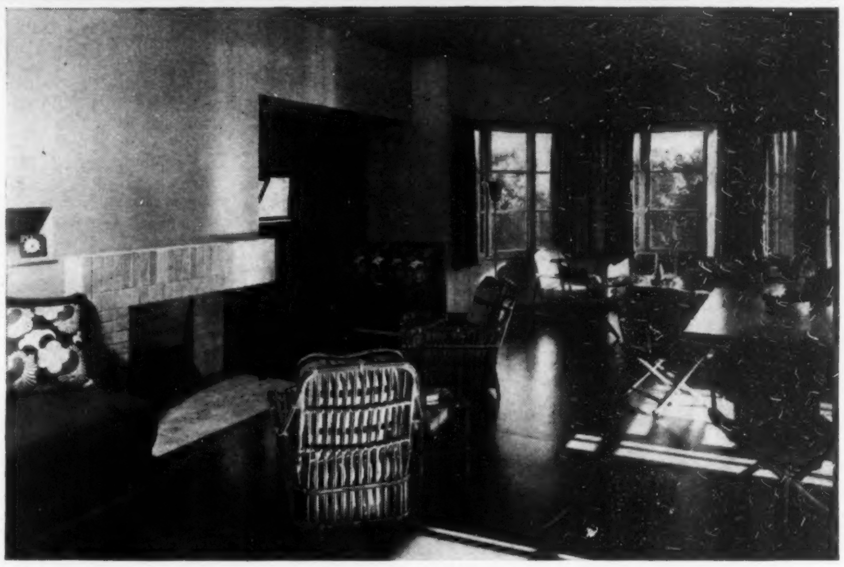
Note: "A new method was employed in the installation of insulation board for walls and ceiling to eliminate the usual

[*Please turn to page 133*]



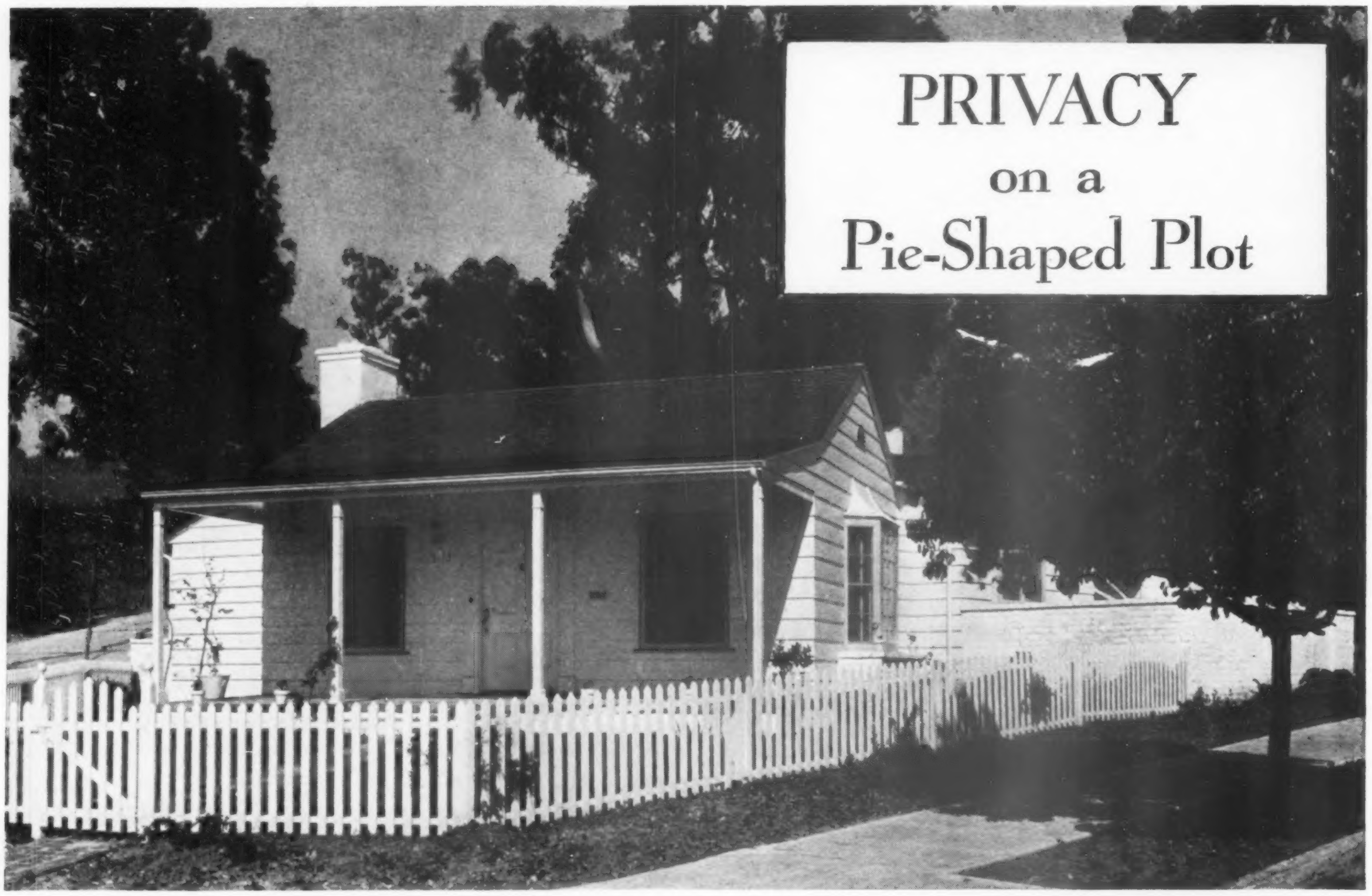
FLOOR PLAN





A modern week-end house is what we all need for recreation. This one has linoleum-covered floors to make housekeeping easy. It's cheerful and sunny, and built for pleasure the year round. Built-in sofas make comfortable beds, so one room can be used for living, sleeping, and dining

PRIVACY
on a
Pie-Shaped Plot



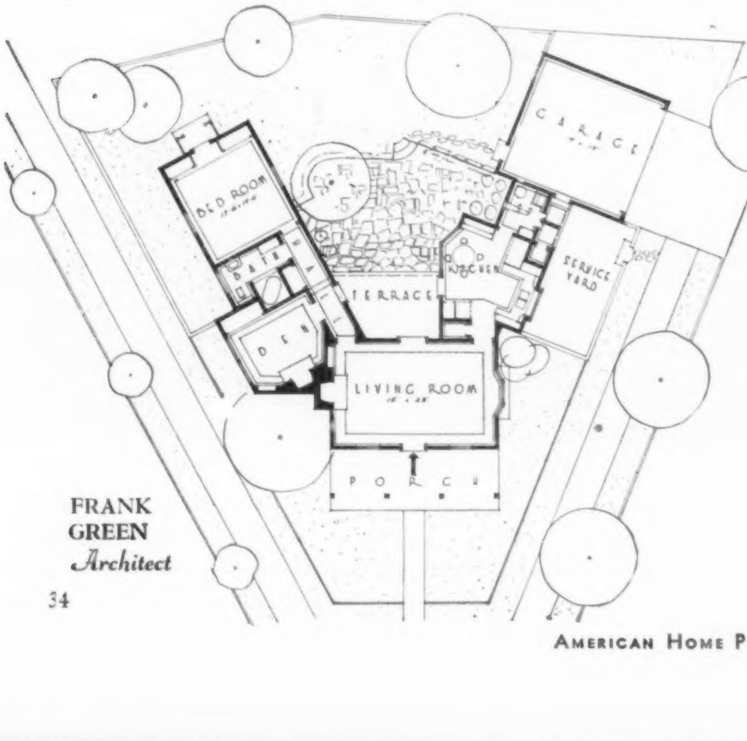
THERE are doubtless advantages in building a house upon a piece of property shaped like a wedge of pie, but there is also danger that the occupants may feel slightly like goldfish exposed to the eyes of the world. Therefore, this small house, the residence of Mr. and Mrs. T. S. Nelson in Hollywood, may claim distinction in that it has the advantage of looking out upon three streets (which converge at the point of the pie-shaped property) and yet has achieved privacy! *That* is something of a trick, you must agree.

It is the skillful placing of the house upon the property, or the plan, which distinguishes this house from the run of average small homes too often without benefit of architect or individuality. Starting with the living room as the central axis facing the point of the pie, the architect has provided a pleasant room with three exposures—for Hollywood in summer can be more than torrid. From the central point, the living room, there are

[*Please turn to page 83*]

SIDE ELEVATION

Mott Studios



FRANK GREEN
Architect

REAR TERRACE

IT CAN BE DONE! A fine small house for $4,000!

The home of Mrs. M. B. Kelley in Culver City, California

FRANK GREEN
Architect

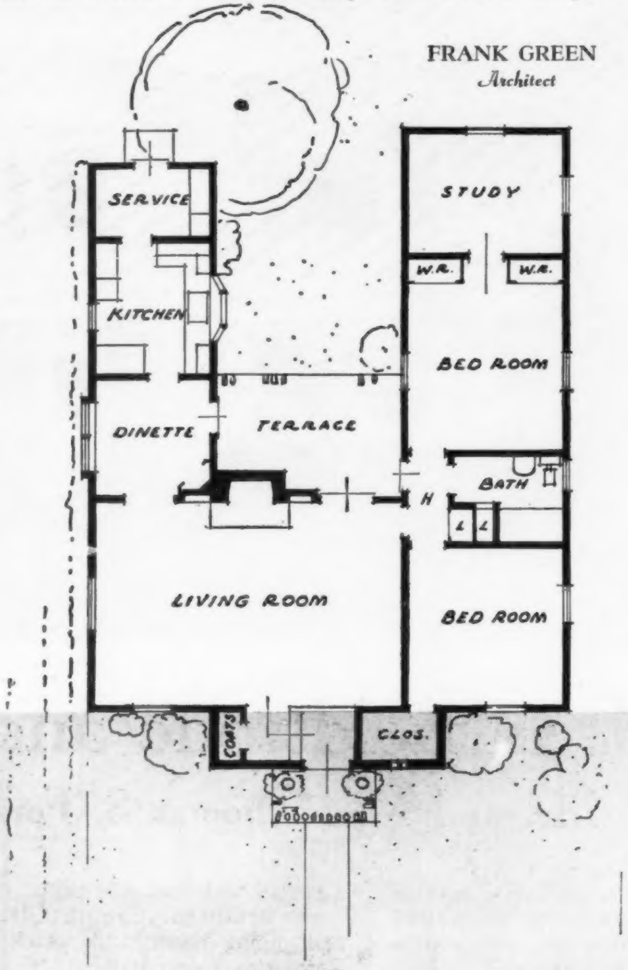
GENERALLY speaking the average small house may be called, (heaven forbid) "cute" or "cunning," but seldom does it warrant the word dignified. Yet this little California residence has a special air of formality quite rare in the records of small house design. Since it was built at a cost of four thousand dollars (and five thousand is usually judged the minimum for a small house both well built and well designed) this residence is especially noteworthy.

Of red wood siding painted a soft ivory, the monotony of the horizontal siding is relieved by the masterful stroke of using whitewashed brick to give surprising entrance to the front façade. Not only is the whole front elevation of the house "made" by this brick entrance detail but two closets and a separate entrance hall (very desirable and seldom found in a house this size) are formed by the projection of the structure in this manner.

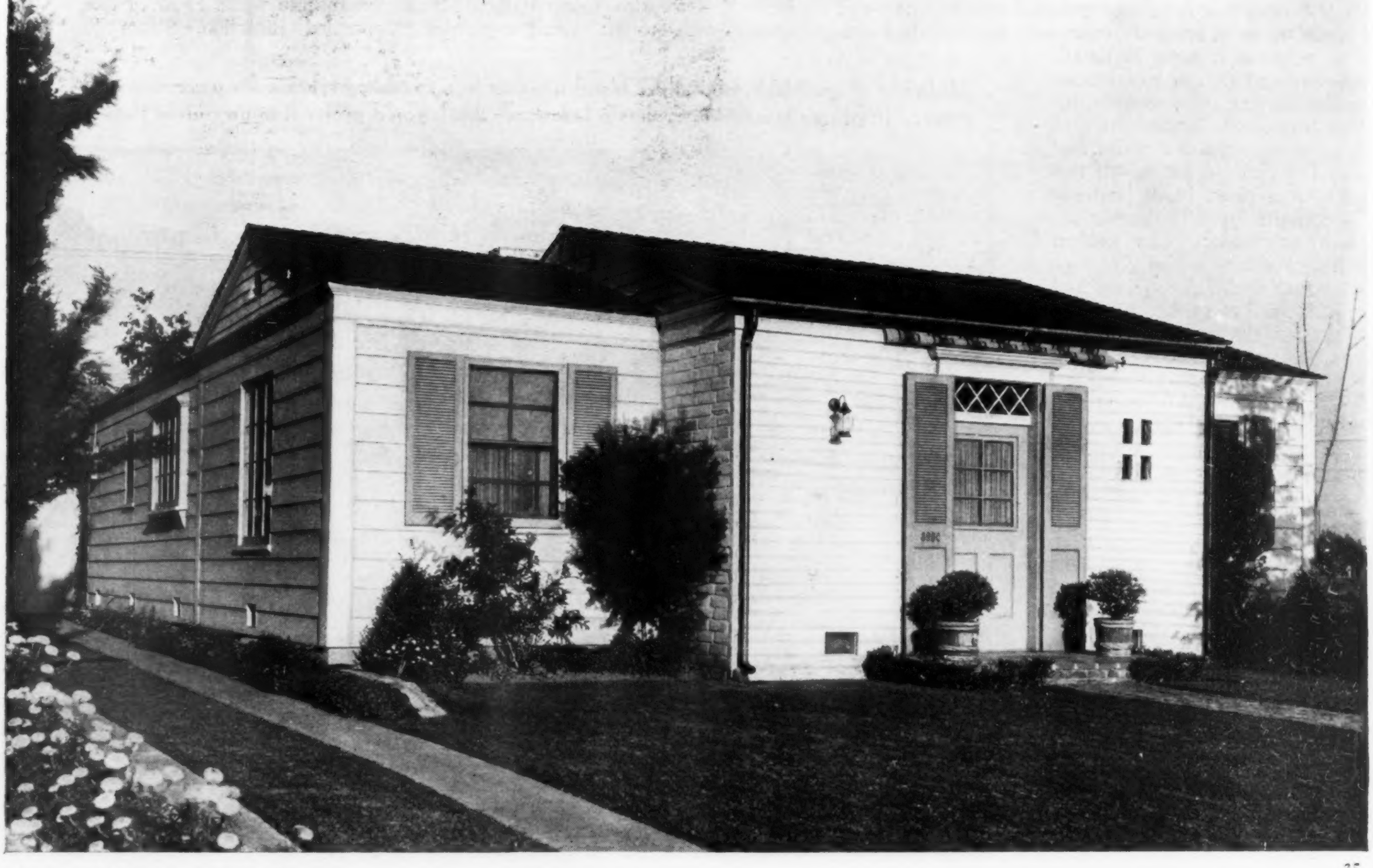
The Colonial doorway, with full-length shutters which are louvered half way, and potted shrubs make an excellent contrast to the extreme plainness of the remainder of the house. The U-shape plan, always effective on a small piece of property, warrants a hymn of praise for two accomplishments that every house should aim to effect, i. e., the saving of the rear of the property for a garden and the provision of the utmost in privacy for outdoor living.

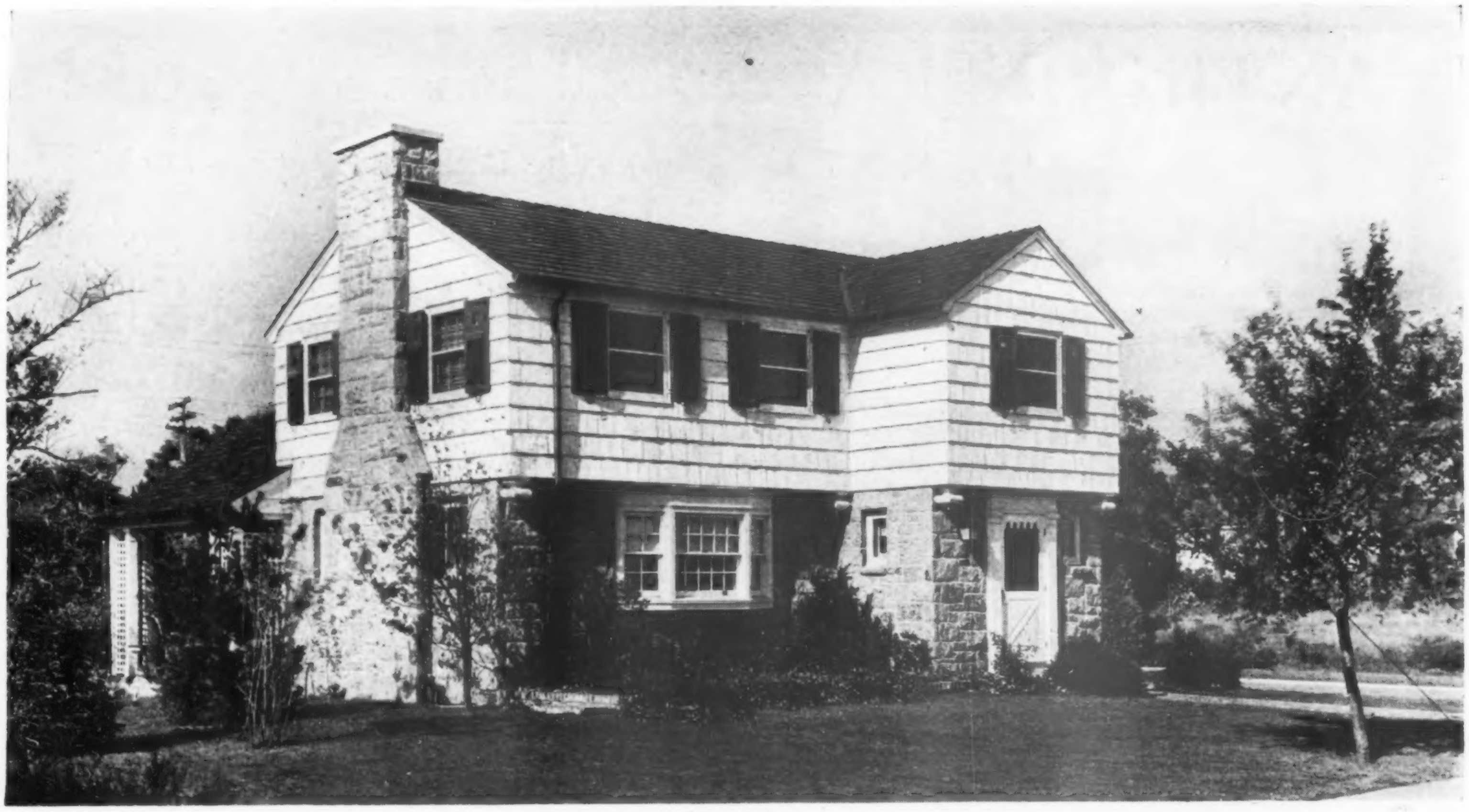
The terrace and garden are very accessible from the living room, dinette, and the bedroom hall, giving good circulation to all rooms. Placing the study at the very end of the bedroom wing insures the maximum of quiet and seclusion from the noise of the domestic daily routine in the other rooms.

[Please turn to page 125]



Mott Studio





COLONIAL in fieldstone and shingles

Home of Mr. and Mrs. Thomas S. Forker

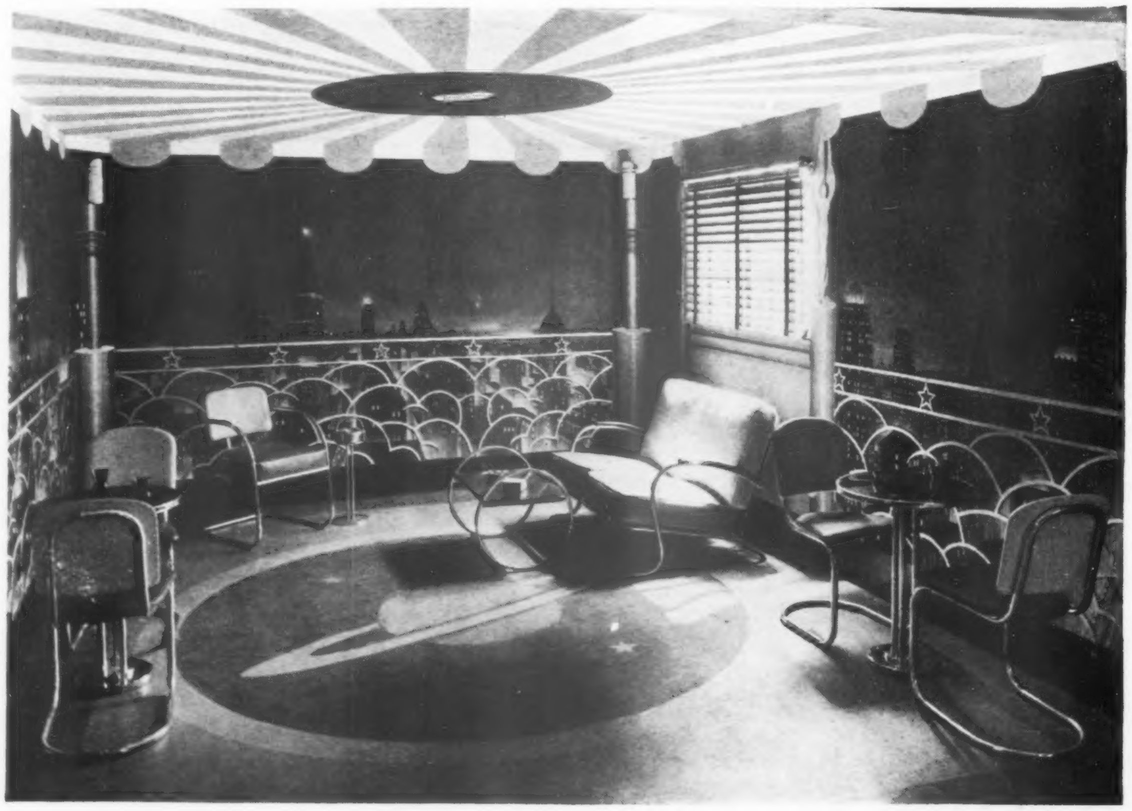
VERY substantial and pleasing is this variation of Colonial in fieldstone and shingles. There is a basement recreation room that would make you want to entertain at home all the time, a pine paneled dining room that is at once informal and dignified, and a sunny little breakfast room for early risers who demand their orange juice.

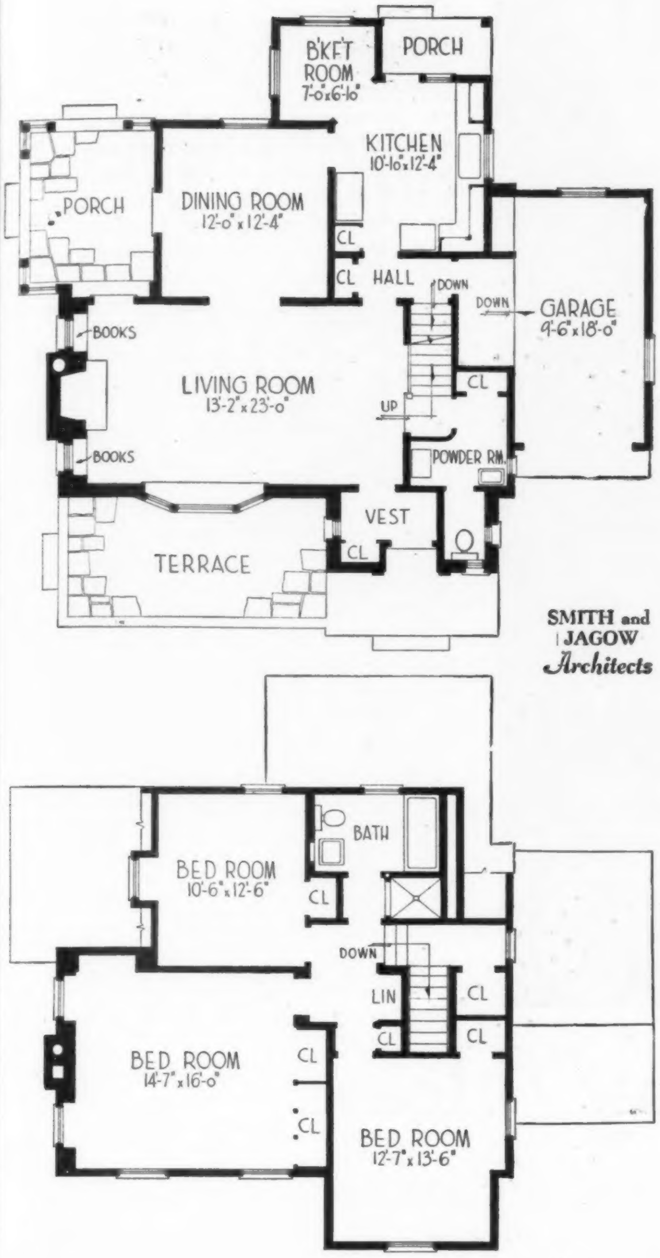
As we examine it more in detail, we find the night club or roof garden illusion in the recreation room an interesting feature. A Manhattan skyline is painted on Insulite walls, and the floor is painted concrete—all this worked out in blues, black, and silver. The chairs are blue leather accented by chromium. The kitchen serves its purpose with plenty of cupboard space, working surfaces, and walls of Linowall and washable paper. Carrara glass makes the bathroom modern looking, and the linoleum floor is easy to keep shiny and clean. Oak plank floors in both living and dining rooms are practical, and a beam ceiling adds decorative interest to the living room.

A steam heating plant and concealed radiation are good points. From the poured concrete foundation to the hand-split shingled roof it is built to last a lifetime. And you can build this house, including the brick terraces, for about $12,500.

Construction data: Foundation: Poured Concrete. Frame: Wood. Enclosure: Fieldstone and hand-split shingles. Roof: Hand-split shingles. Terraces: Brick. Interiors: Living room: Pine paneled and beam ceiling; Dining room: Pine paneling. Lavatory and kitchen: Walls of Linowall and washable paper. Bed Rooms: Wallpaper and painted trim. Bathroom: Carrara Glass and linoleum floor. Living room and dining room: Oak plank floor. Bedroom floors: Select oak. Recreation room: Painted scenery on Insulite walls. Floor of recreation room: Concrete-painted. Concealed radiation. Steam heat.

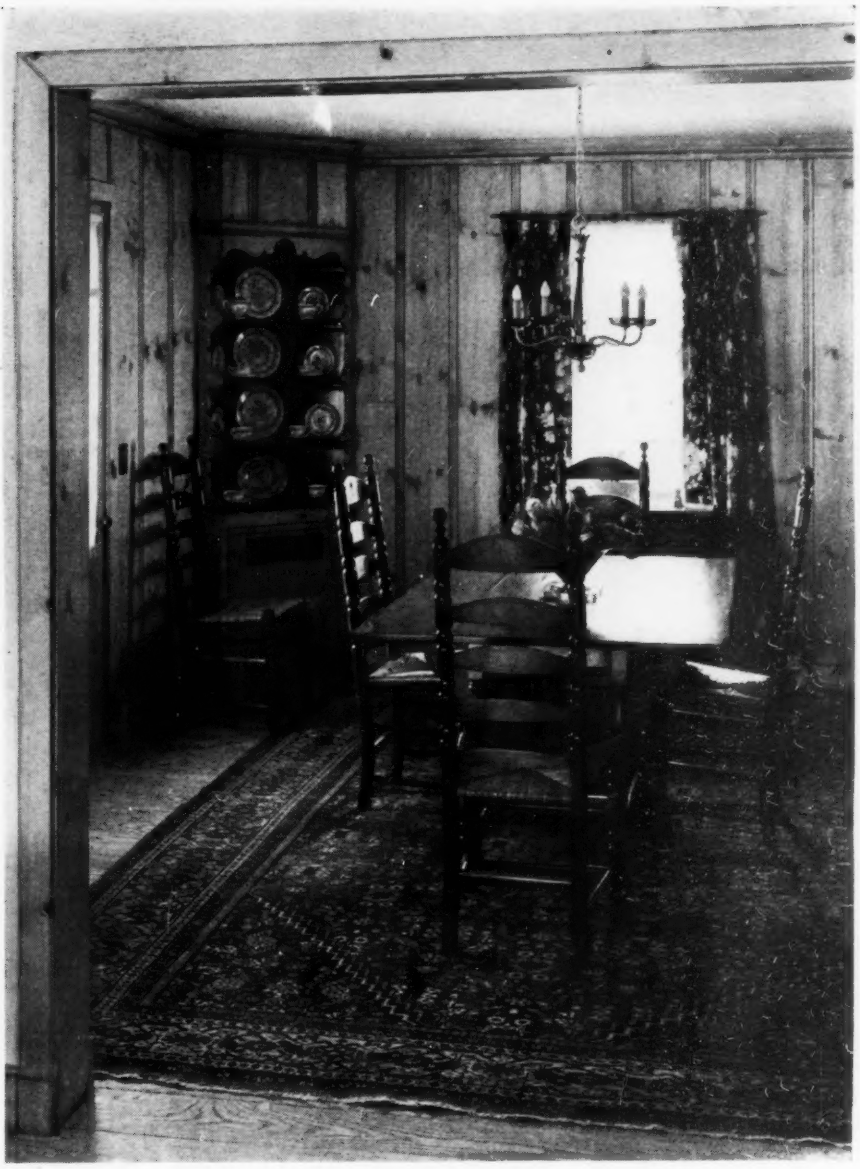
Midnight blues, black, and silver blend together in a sparkling scheme for a recreation room. If you owned this one, shown below, we think you'd prefer it to any night club




B'KF'T ROOM 7'-0"x6'-10"
PORCH
KITCHEN 10'-10"x12'-4"
PORCH
DINING ROOM 12'-0"x12'-4"
CL
CL
HALL
DOWN
DOWN
GARAGE 9'-6"x18'-0"
BOOKS
LIVING ROOM 13'-2"x23'-0"
CL
UP
BOOKS
POWDER RM.
VEST
TERRACE
CL
BATH
BED ROOM 10'-6"x12'-6"
CL
DOWN
LIN
CL
CL
CL
BED ROOM 14'-7"x16'-0"
CL
CL
BED ROOM 12'-7"x13'-6"

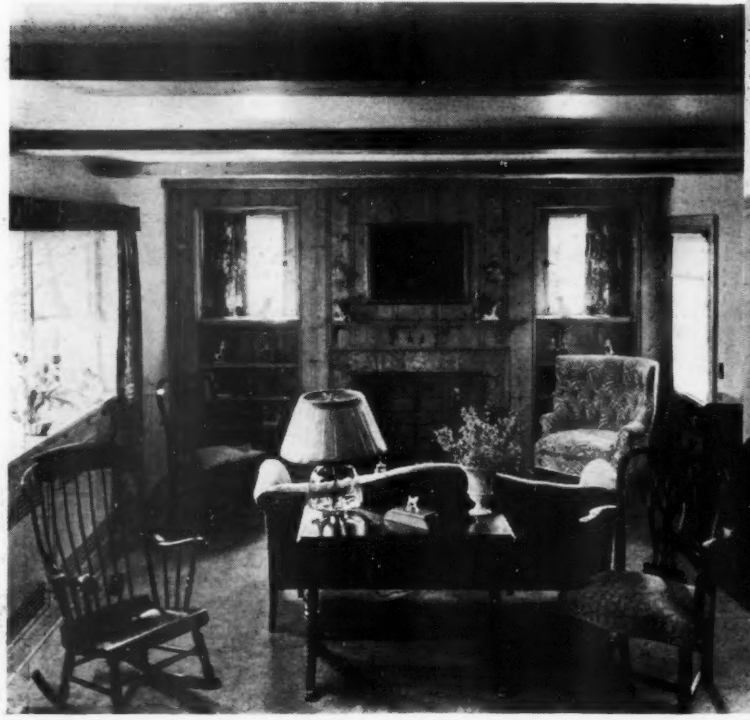
SMITH and JAGOW
Architects

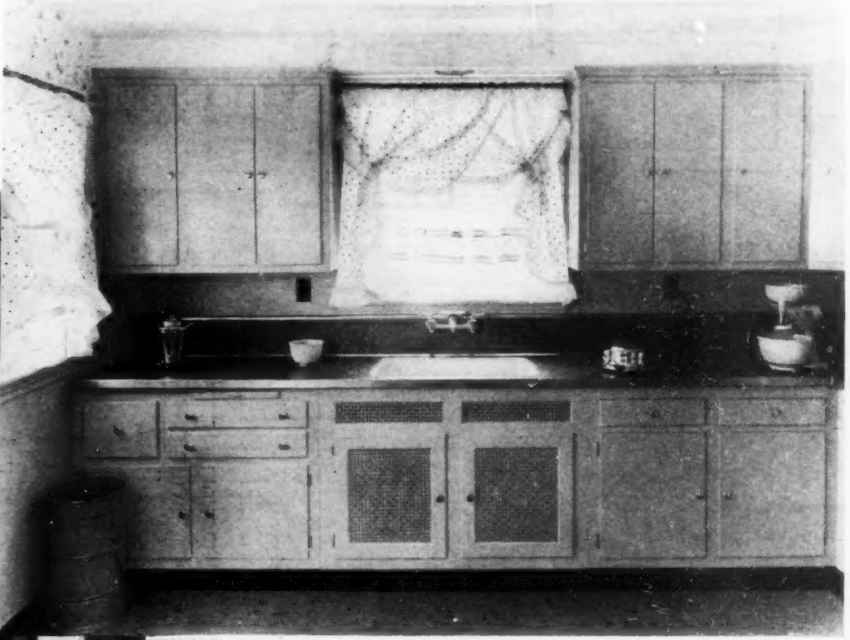
The plans show that plenty of attention has been given to sunshine, closet space, and the good room arrangements that are so necessary to pleasant, gracious living



The pine paneled dining room, above, is warm and cozy for just your own family group, but it's also right for guests. Note the corner cupboard

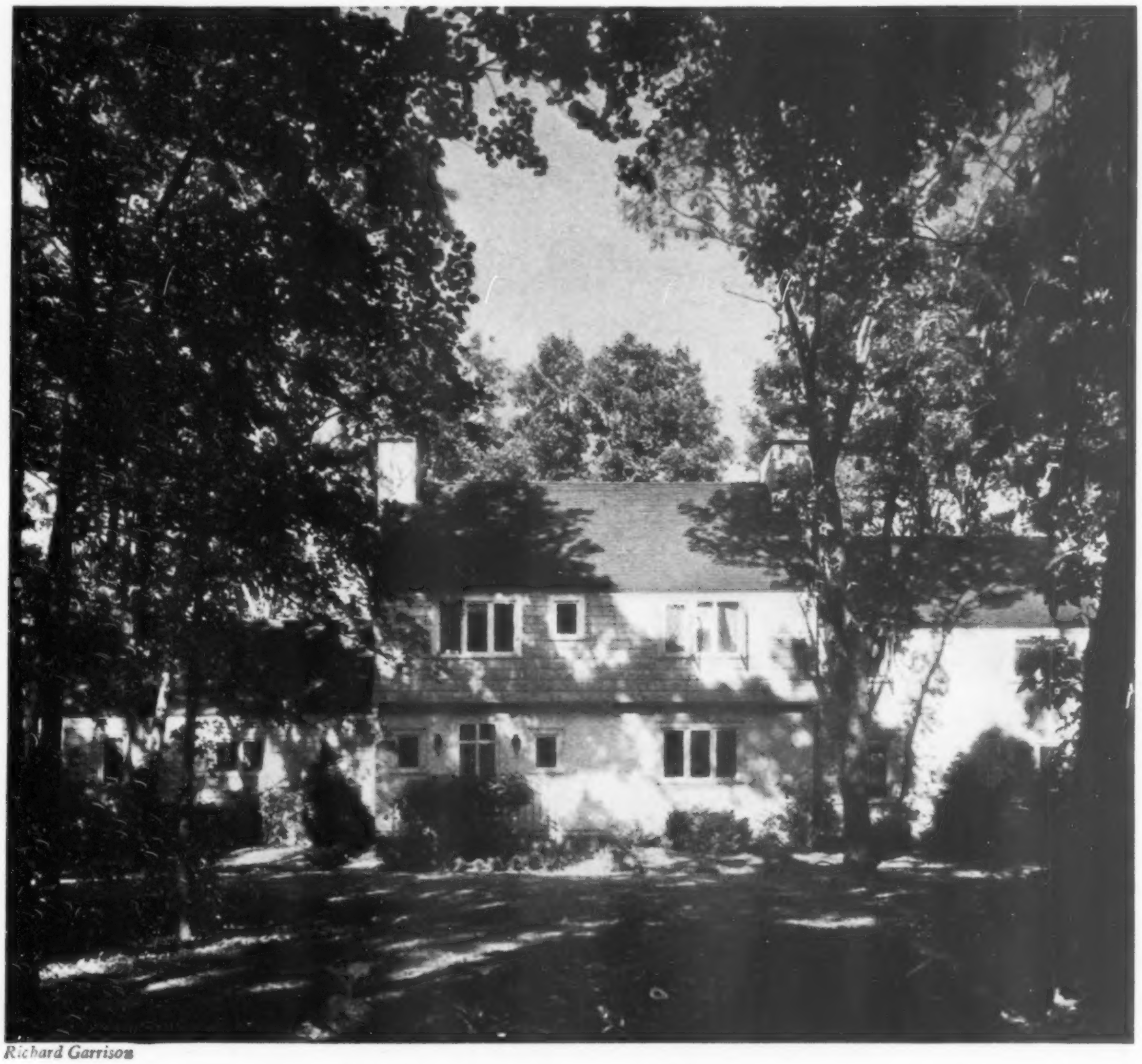
Murray Peters





A cheerful place for working hours is the kitchen shown above. It is arranged to save time and many extra steps

There are bookshelves below the windows on either side of the fireplace in this living room, illustrated left



Richard Garrison

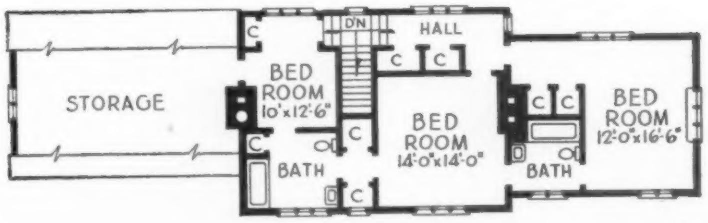
Success marks the union of past and present in this house of Cape Cod design owned by Mr. and Mrs. John Ballantine of Rumson, New Jersey. Situated in completely natural surroundings with the shadows of tall trees dappling the white surfaces of the weatherboards, it thoroughly conforms to an American tradition of freedom and dignity for residential structures that goes back to the middle of the seventeenth century. Using a central block and wings reminiscent of the plan of the patriarchal Fairbanks House at Dedham, Massachusetts, the builder has eschewed complete exactness of symmetry, being well aware that functional architecture was the mode in those days as now. The interior must shape the exterior.

Before examining the plans, note with what great restraint the customary details earmarking this style of architecture have been handled: the overhang of the second floor of the central block has no extra amplitude due to sentiment; the drops which adorn it at either end have just enough ornamental charm to match the use of diamond-shaped panes of glass in the casements; and also their size has been carefully remembered with regard to the proportions of the carriage lamps placed at the right and left of the main door. Two sturdy chimneys give com-

[Please turn to page 96]

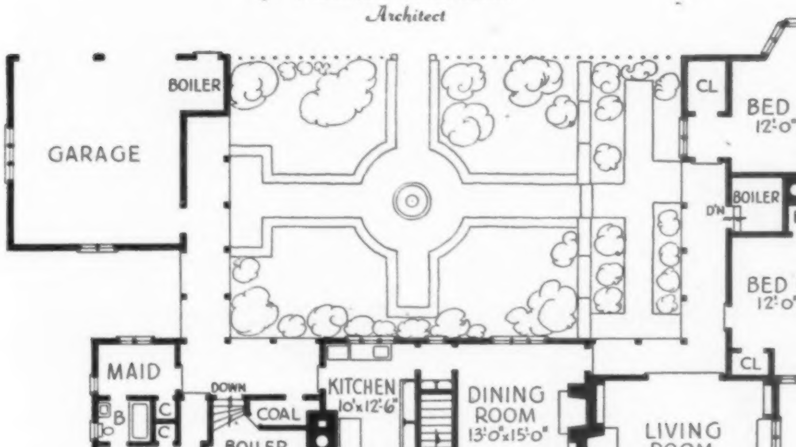
A Modern "Down East" House

in league with light, air, and human comfort



DN
HALL
C
STORAGE
BED ROOM 10'x12'-6"
C
C
BED ROOM 14'-0"x14'-0"
C
C
BED ROOM 12'-0"x16'-6"
C
BATH
C
BATH

GEORGE S. STEELE
Architect



BOILER
GARAGE
CL
BED ROOM 12'-0"x16'-0"
BOILER
DN
BATH
BED ROOM 12'-0"x16'-0"
CL
CL
MAID
B
C
C
MAID
DOWN
COAL
BOILER & LAUNDRY
KITCHEN 10'x12'-6"
C
C
UP
DINING ROOM 13'-0"x15'-0"
LIVING ROOM 17'-6"x19'-6"
TEL
HALL
DOWN

American Home Portfolio 4

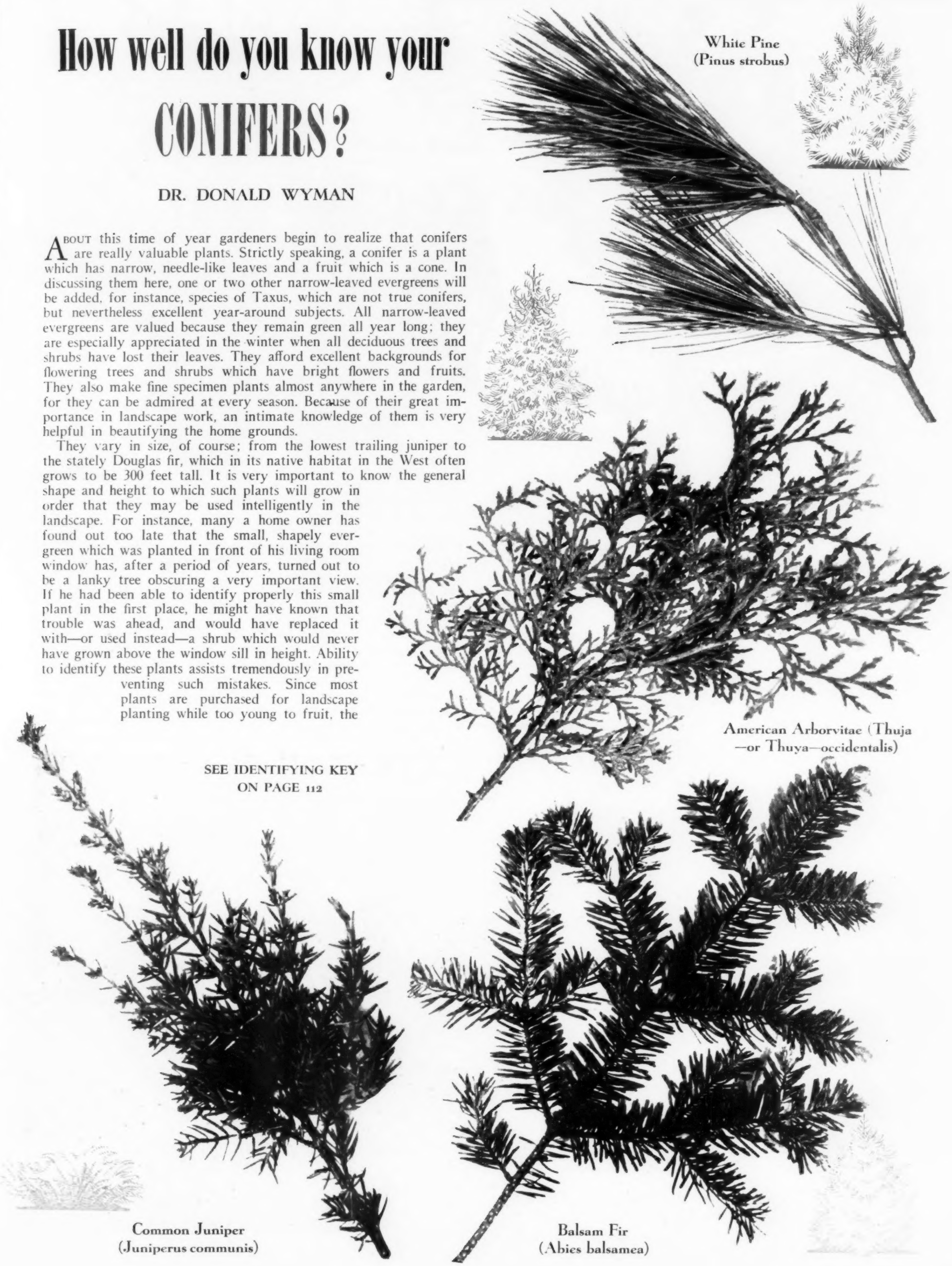
How well do you know your CONIFERS?

DR. DONALD WYMAN

About this time of year gardeners begin to realize that conifers are really valuable plants. Strictly speaking, a conifer is a plant which has narrow, needle-like leaves and a fruit which is a cone. In discussing them here, one or two other narrow-leaved evergreens will be added, for instance, species of Taxus, which are not true conifers, but nevertheless excellent year-around subjects. All narrow-leaved evergreens are valued because they remain green all year long; they are especially appreciated in the winter when all deciduous trees and shrubs have lost their leaves. They afford excellent backgrounds for flowering trees and shrubs which have bright flowers and fruits. They also make fine specimen plants almost anywhere in the garden, for they can be admired at every season. Because of their great importance in landscape work, an intimate knowledge of them is very helpful in beautifying the home grounds.

They vary in size, of course; from the lowest trailing juniper to the stately Douglas fir, which in its native habitat in the West often grows to be 300 feet tall. It is very important to know the general shape and height to which such plants will grow in order that they may be used intelligently in the landscape. For instance, many a home owner has found out too late that the small, shapely evergreen which was planted in front of his living room window has, after a period of years, turned out to be a lanky tree obscuring a very important view. If he had been able to identify properly this small plant in the first place, he might have known that trouble was ahead, and would have replaced it with—or used instead—a shrub which would never have grown above the window sill in height. Ability to identify these plants assists tremendously in preventing such mistakes. Since most plants are purchased for landscape planting while too young to fruit, the

SEE IDENTIFYING KEY
ON PAGE 112

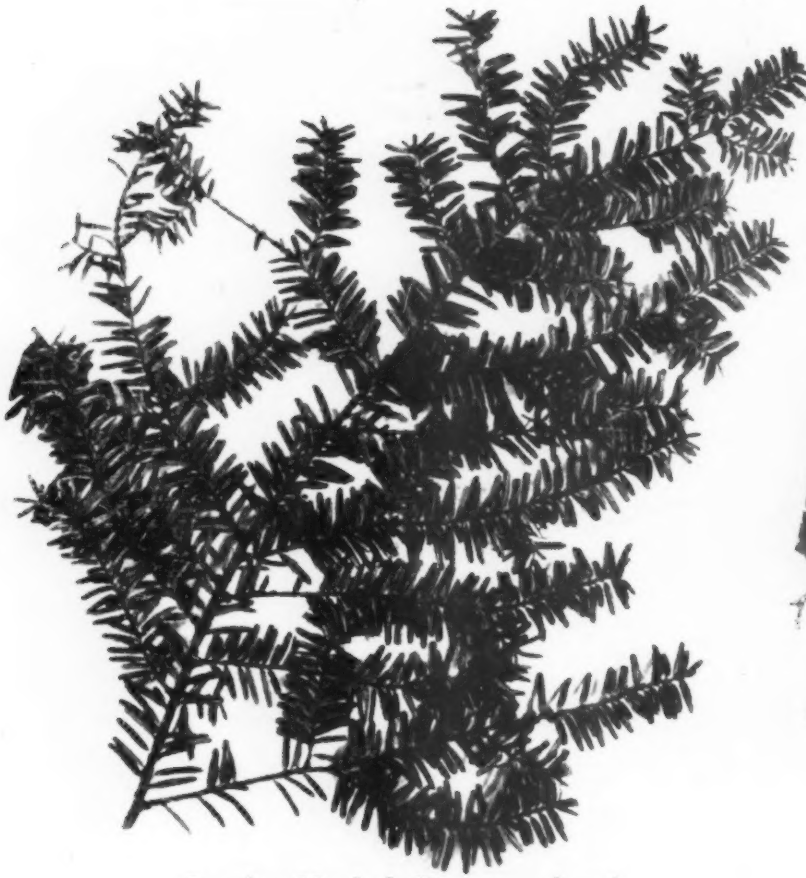


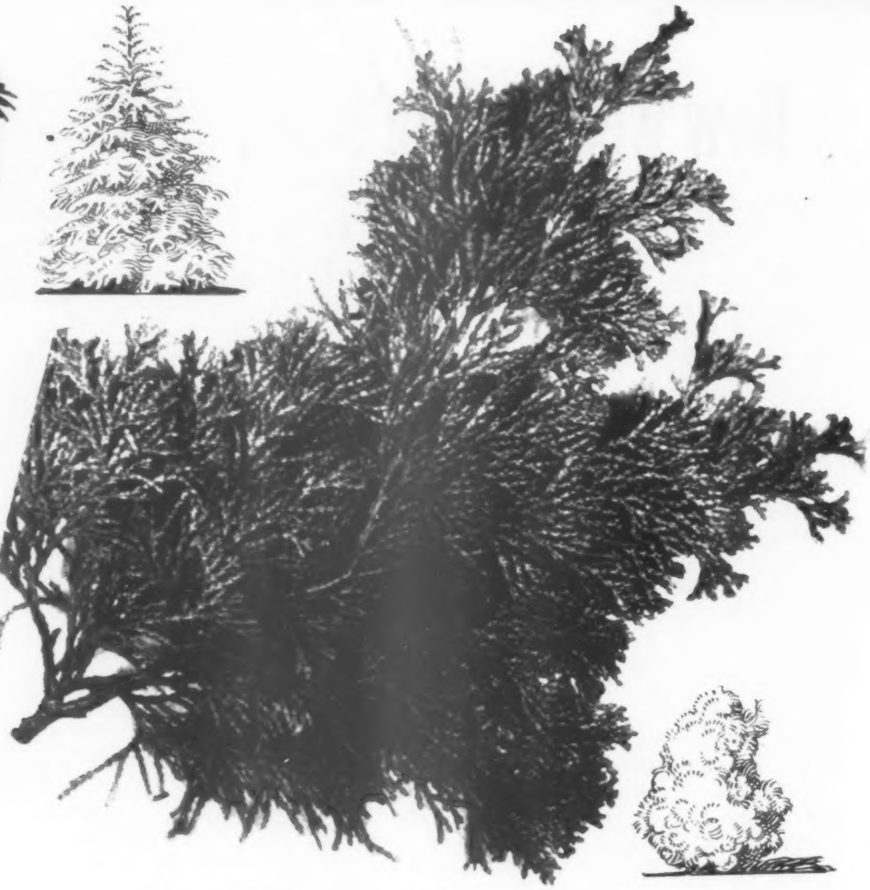
White Pine
(Pinus strobus)

American Arborvitae (Thuja
—or Thuya—occidentalis)

Common Juniper
(Juniperus communis)

Balsam Fir
(Abies balsamea)





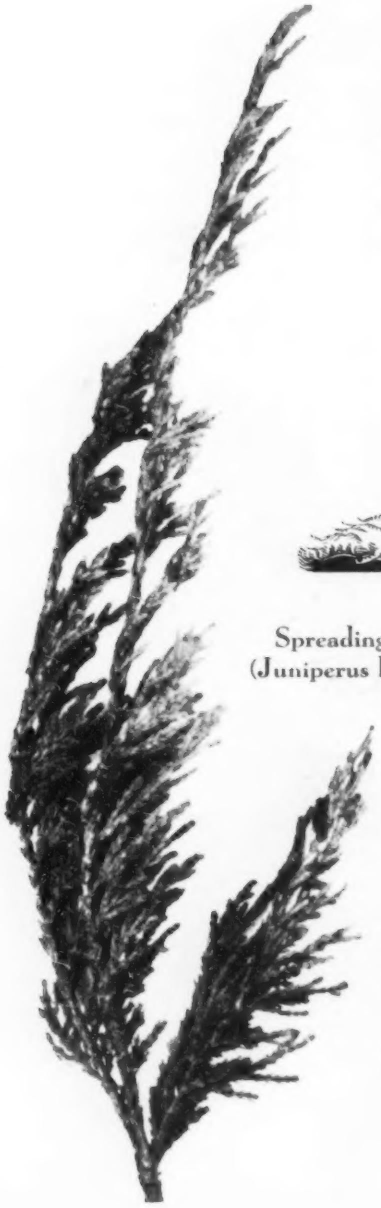
Canadian Hemlock (Tsuga canadensis)

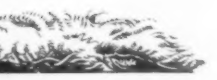
Dwarf Hinoki Cypress (Chamaecyparis obtusa nana)

best practical means of identification is by foliage and shape. This article deals entirely with identification by this simple, practical method.

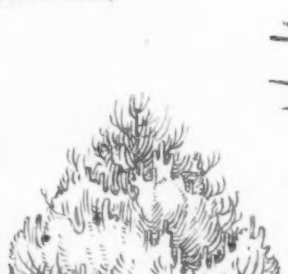
The concise keys which appear at the end of the article include the majority of the narrow-leaved evergreens which are being bought and sold at the present time. However, it must be realized that they do not include *all* the conifers now available. For an accurate working knowledge of the keys one should be able to distinguish between those plants which have needles in bundles, as the pine; those which have their needles in pairs or whorls (junipers); those with leaves that are very small and scalelike, as in the arborvitae; and finally those which have needles only one at a place, as for instance the fir, spruce, hemlock, and yew. The accompanying photographs and sketches will aid materially in carrying the identification up to this point.

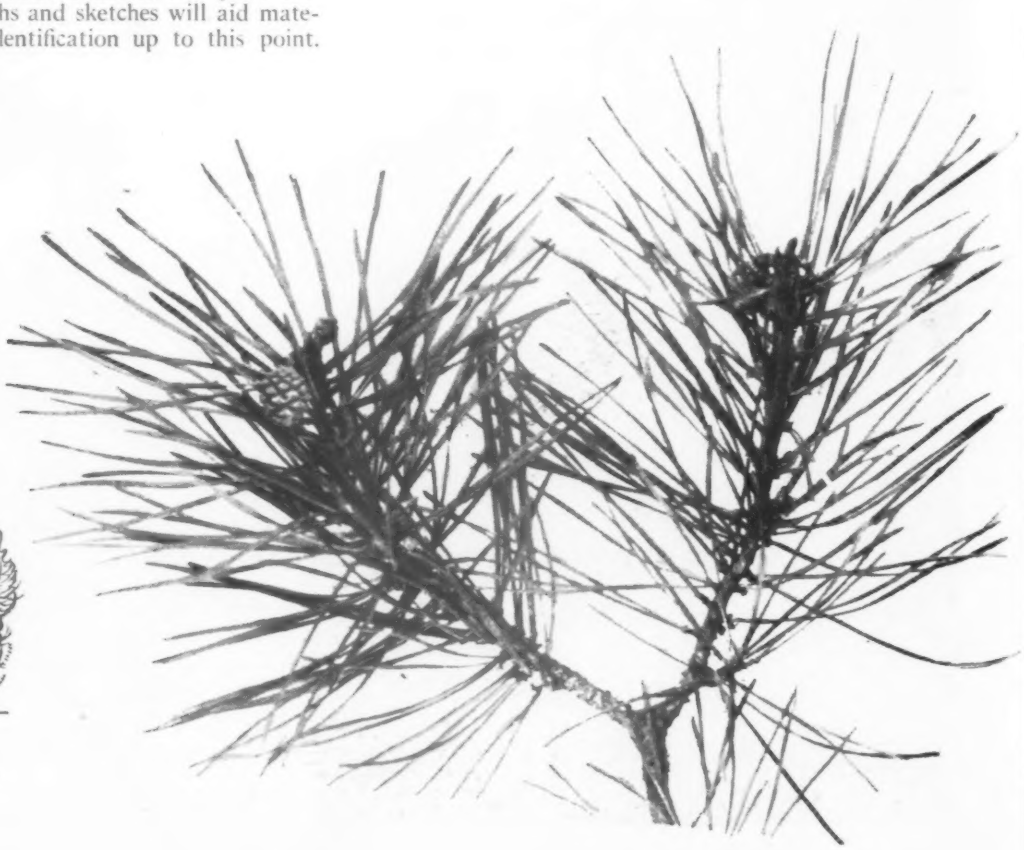
If a plant has its leaves in bundles, it is a member of the Pine Family. Reference to the Pine key (Section B, page 112) shows that there are three general types of pines: those with five needles, those with three needles, and those with two needles. The plant in question may have two needles. Then, by comparing the specimen with the key it is a simple matter to find out, first, the average length of its paired needles; second, their flexibility, and, third, their color. If, for instance, the leaves are one to three inches long, the plant is one of two things—a Scotch pine, a tree with needles twisted and of bluish color, or a Mugho pine, which is a low shrub whose needles are not bluish. Thus the pine is definitely identified. In other words, if



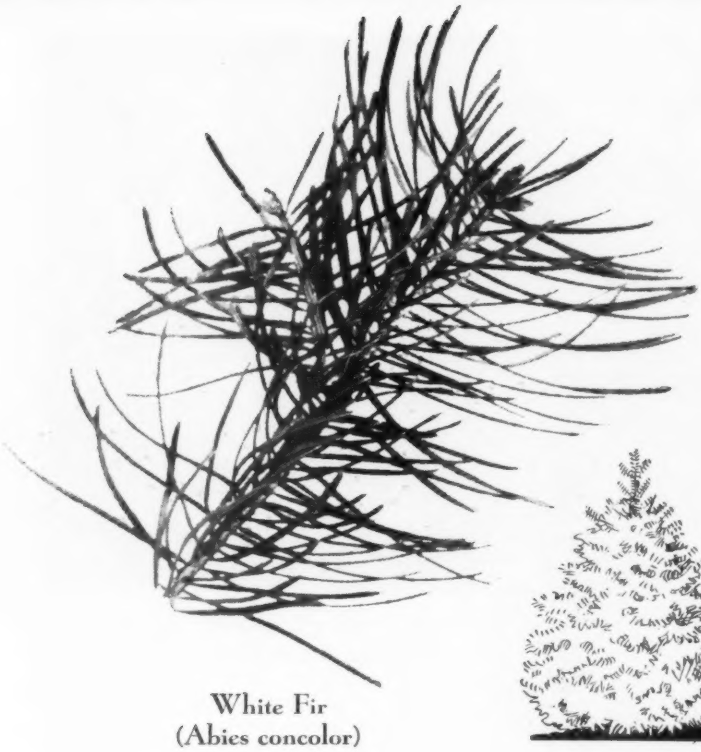


Spreading Juniper
(Juniperus horizontalis)

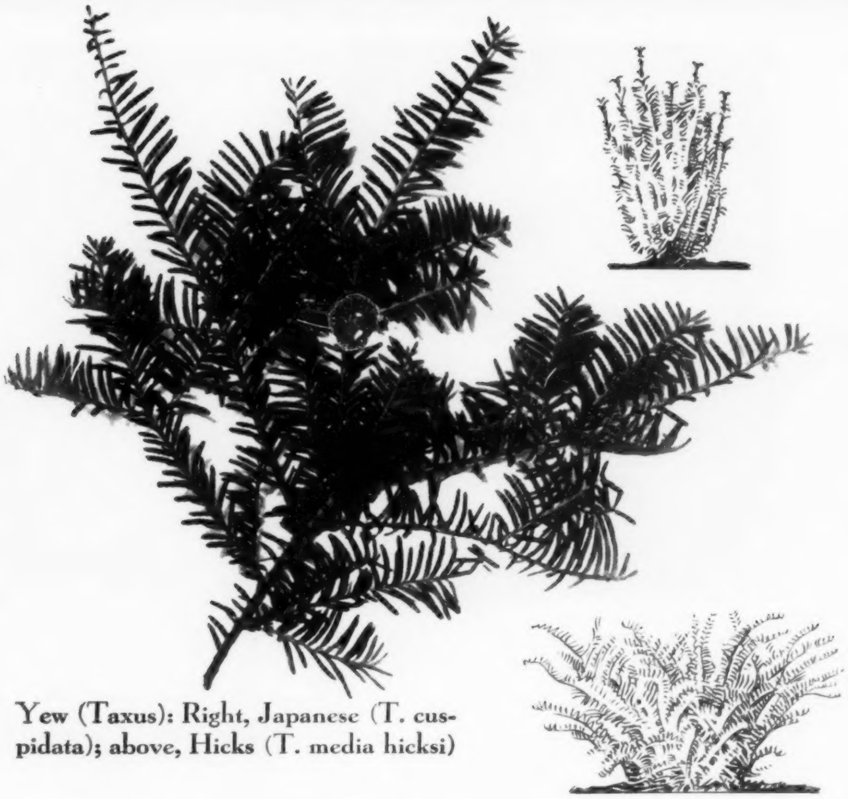




Scotch Pine
(Pinus sylvestris)



White Fir
(Abies concolor)



Yew (Taxus): Right, Japanese (T. cuspidata); above, Hicks (T. media hicksi)

one statement made in the key does not agree with the specimen at hand, then go to the next statement in order. This is the general method of using such a simplified key.

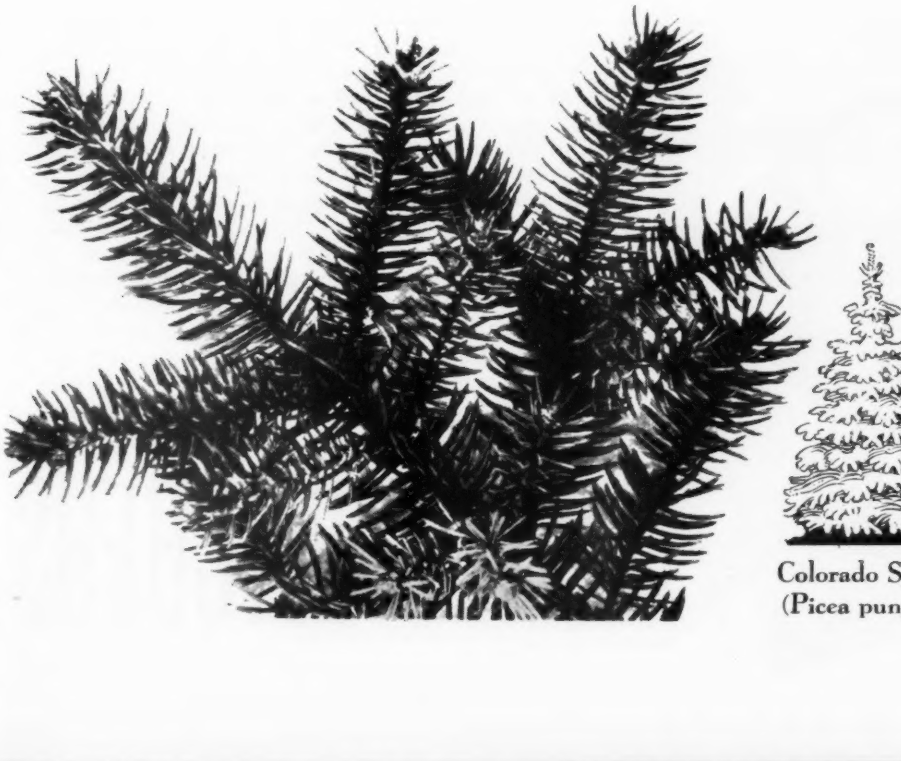
The matter of identifying the different kinds of junipers is not so easy, since the foliage of the junipers varies greatly even on the same plant. It is usually necessary, in identifying junipers, to depend a great deal on the size and shape of the plant. For instance, there is a low-growing juniper, often trailing in habit, which is native all over the northeastern United States; it is called the creeping juniper (*Juniperus horizontalis*). A very close relative is Juniperus horizontalis plumosa which seldom gets more than two feet tall, is flat on top, and more or less rounded in area. One of its outstanding characteristics is that the foliage turns purple during the winter.

The pfitzer juniper (*J. chinensis pfitzeriana*), commonly planted everywhere, is easily recognized because of its spreading habit and its flat top, though it is considerably taller growing than *J. horizontalis plumosa.* Close examination will show that there are always two kinds of foliage present, some leaves being small and scalelike, others stiff and needlelike. The spiny Greek juniper is easily distinguished because of its steel blue color, its pyramidal form, and its extremely stiff, harsh needles. It may grow to twelve or fifteen feet, or even taller; but the best plants for ornamental use are, of course, the smaller ones which are dense and compact.

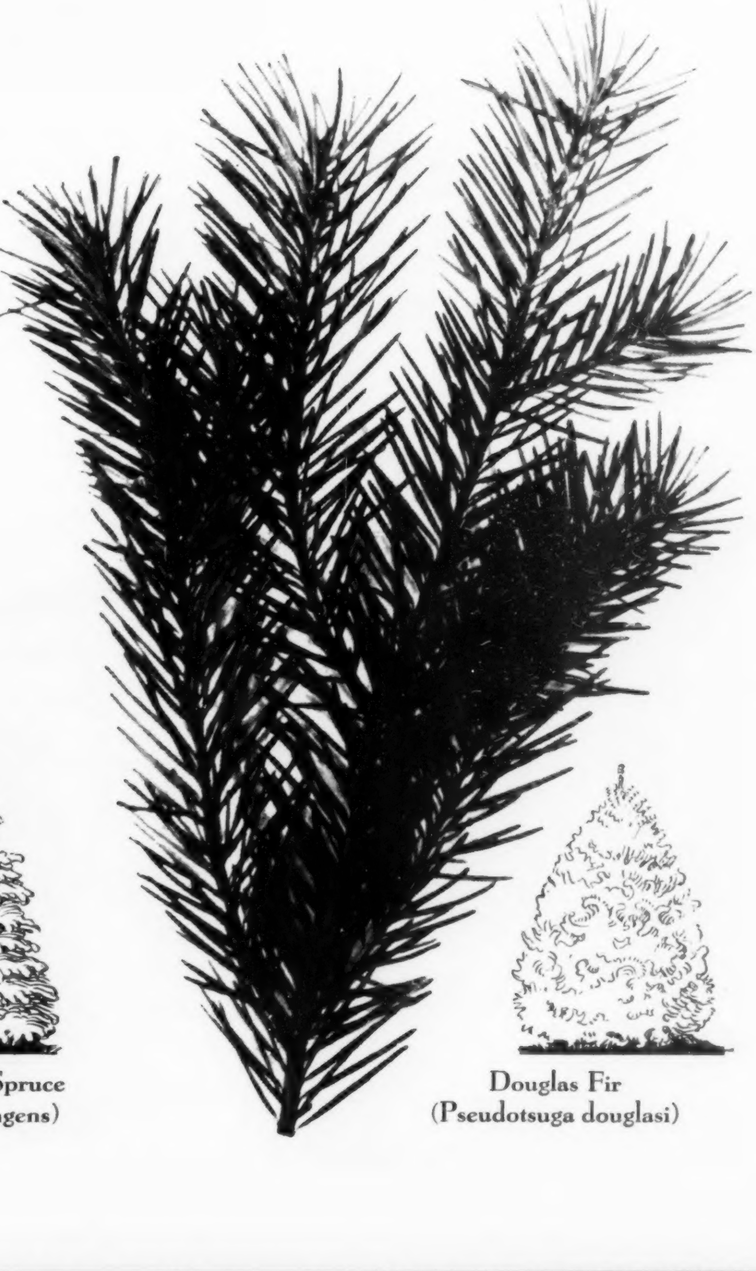
The savin juniper (*J. sabina*) is easily distinguished by its upright spreading habit of growth. The only other juniper which approaches it in form is the common juniper (*J. communis*) which has winter buds present in the axils of the leaves while the savin juniper does not. The redcedar (*J. virginiana*), familiar to every one, is the tallest growing of all the junipers. It is usually more or less columnar in habit, particularly when young, and there are many varieties of it being used. There is a type with silver foliage, one with yellowish foliage, one rather densely globose in form, and many others beside.

Another group of plants of which many are being used in home beautification comprises the arborvitaes, particularly the varieties

[*Please turn to page 110*]



Colorado Spruce
(Picea pungens)



Douglas Fir
(Pseudotsuga douglasi)

LITTLE PITCHERS

A Fulham stoneware covered jug, which was made in the year 1690

A group of English pitchers in Spode, Wedgwood, and Prattware, of the type imported into the United States

A Leeds mask-spout jug, bearing the imprint of Thomas Ellis Clark

REBEKAH and her pitcher is an old story. She gave to the servant of Abraham a drink of water from the pitcher and straightway the pitcher entered history, for, when Rebekah returned to her father's house, she wore betrothal bracelets and earrings of gold brought by the servant from Abraham's son, Isaac. Then, as throughout future centuries, pitchers occupied a place of importance among household utensils. Favored by potters, they were reproduced in every adaptable material, serving as common menials of the lowly and as jeweled favorites of royalty. Gold encrusted, they graced tables of monarchs and altars of old temples; they were containers for cooling liquids, wines, and cordials in civilizations long since buried and forgotten. From their lips have poured rare, perfumed oils and ointments on heads and feet of those who were anointed.

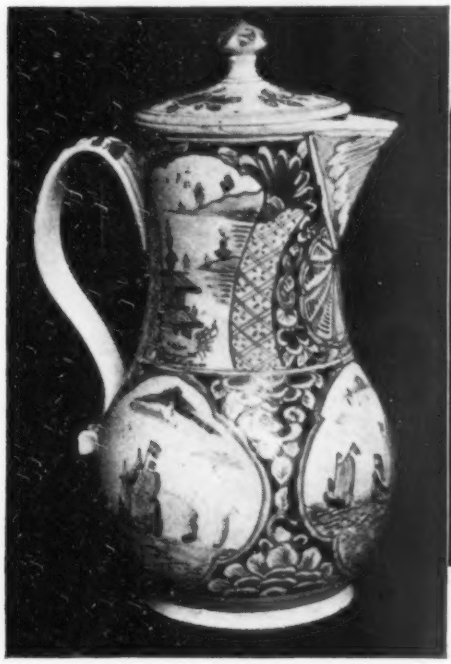
Usually serving at table in one form or another, pitchers have been present when history was being made: the ewer beside the foot-basin of the wise man, listening to portentous prophesies; the long-lipped container for delicate wine at the elbow of a Pharoah hearing the doom of the slaves; a simple jug beside the philosopher's load where reason presides. Big and little pitchers, listening to mutterings of war and peace, of right and wrong, and giving generously in great splashing outbursts, cool, refreshing water to man and beast alike.

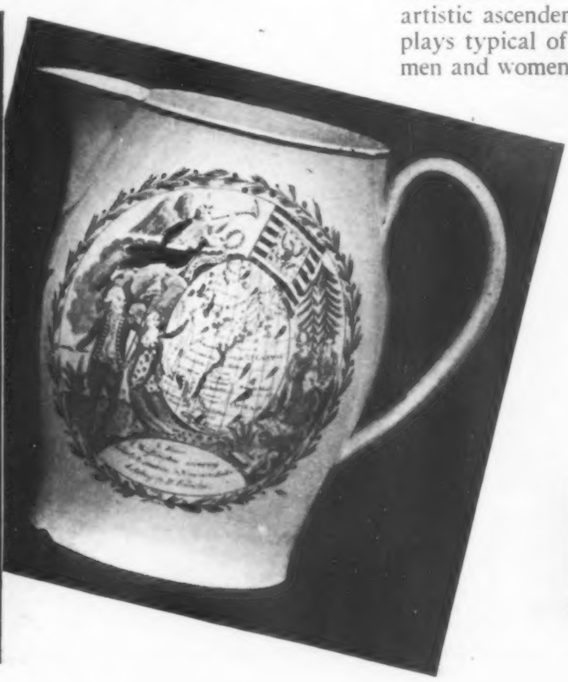
Down through the years they have come. The Norman period in England produced fine examples of pitchers long before milk for tea was an established custom, when all the isles in that little group depended upon pitchers for hot-and-cold-water service. A Fulham gray stoneware covered jug, made in 1690, bears a portrait in relief of William III, and now may be seen in the interesting collection owned by the Metropolitan Museum in New York City. Wedgwood, Leeds, Coalport, Staffordshire, Liverpool, Spode, Royal Derby, and Rockingham ware pitchers are legion, while lusterware in copper, silver, purple, pink, and yellow are the particular pride of their possessors. Potteries making these pitchers turned out many fine designs and also many profitable "trade" pieces, the latter not rare, but interesting because of association with the different periods of history in which they were made.

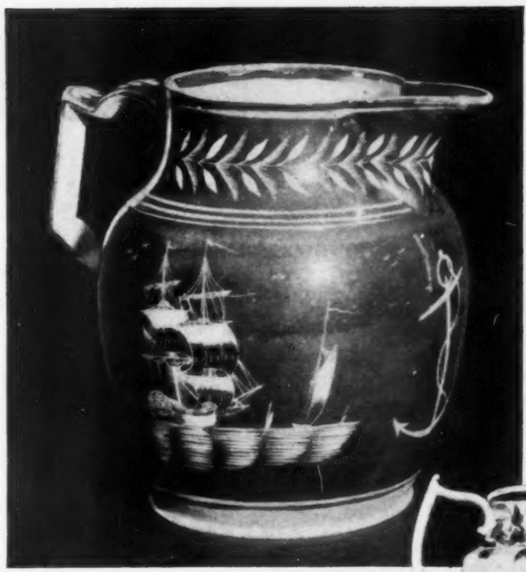
During the reign of Queen Anne, coffee shops became popular and when coffee, tea, and chocolate surged into favor there was a demand for containers to hold these beverages. This lusty period was reflected in more robust design and less artistic pitchers. Hogarth was in the artistic ascendency with his ribald humor; the theater was producing plays typical of the times; gaming tables were the recreation of both men and women. Pitchers made during this period have that influence.

About this time there came from America a demand for pitchers of pottery and porcelain, the English and French products having caught the popular fancy. Since the founding of the Colonies, pewter, silver, and earthenware pitchers had been in use in the United States; now the foreign porcelains were desired. Vigorous and bold in design and modeling, and suitable for beverages of all kinds, the "hunting pitchers" had a particular appeal for the American Colonists. These were of brown glaze, decorated in relief with stags, hounds, mounted riders in hunting costume against a background of heavy woods, with now

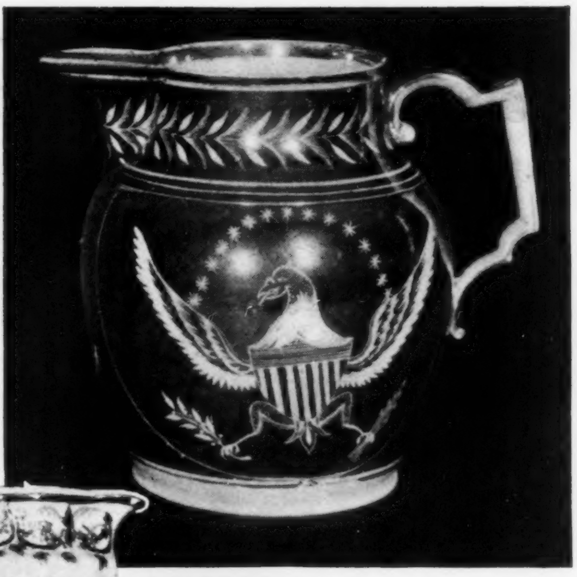
Salt glaze English pottery pitcher in red and yellow. Panels suggest Oriental influence. Right: Herculaneum pottery pitcher







Silver luster resist pitcher with ship and anchor decoration



Opposite side of same pitcher showing U. S. coat of arms

The ever popular marine motif in relief decorates the pink luster pitcher, above, from the Sunderland district

EDNA DEU PREE NELSON

and then a church steeple showing. Other popular models carried various marine decorations. Then there were mask pitchers and pitchers with mask lips from which the Toby jug was developed. Inns or taverns frequently ordered pitchers decorated with their trademarks. There were large pitchers for taverns, such as those for the Iron Pear Tree Inn, Godstone in Surrey, England, which illustrated a patient of the institution in the various stages of the cure of gout. Stamped letters and initials, sentimental and historical mottoes, printed names of owners, became a portion of decoration for pitchers prior to 1775.

For this American trade the portrait of Washington was often reproduced, Gilbert Stuart's paintings being repeatedly used as models. There was a Washington pitcher, black on cream body, entitled "Apotheosis of George Washington" on one side and, on the reverse, "Washington's tomb," known as the "Washington Pitcher." Franklin was a statesman and patriot who caught the imagination of the English potters, and on some pitchers he is shown flying his kite; on one taking dictation from Liberty and Justice; on another his portrait in a fur cap is the decoration. The North American continent, Washington, Franklin, and symbolic figures of Liberty were sometimes combined; Thomas Jefferson's plan for the City of Washington—a very elaborate motif—was etched on a pitcher designed by Richard Sadler.

During the Napoleonic period, replicas of the "Little Corporal" were transferred on porcelain pitchers. Later the blue and whiteware period, 1810 to 1830, depicted American landscapes, events connected with transportation, politics, and views of public buildings, the greater number being the product of R. Clews and the Ridgeways in England. Progress in the new world was cast by these potters in containers for milk and cream, water and beverages for the American table. While pouring cream on the morning cereal one might review one's current history on the outside of the pitcher, or gaze upon the intriguing decorations depicting the inauguration of the Erie Canal, the Columbia Bridge across the Susquehanna, or an aqueduct bridge at Rochester, or some similar construction feat of the day.

Little pitchers with big ears, listening in on news, just as their predecessors had done in other centuries at other tables; telling in transfer printing or hand painting about a great new country and its progress, its transportation, scenic wonders, great men, battles and friendships, politics and science, and lastly about courtships. Sadler designed Liverpool pitchers depicting "Jennings' Courtship" and "Jennings' Farewell," figures sometimes leaning toward the bulbous; features quite empty of emotion, the sentiment or title supplying what the portraiture failed to illustrate. Tabloid pitchers for the common people and detailed illustrations for the elect and fastidious—that's about how it was with the potters of those days.

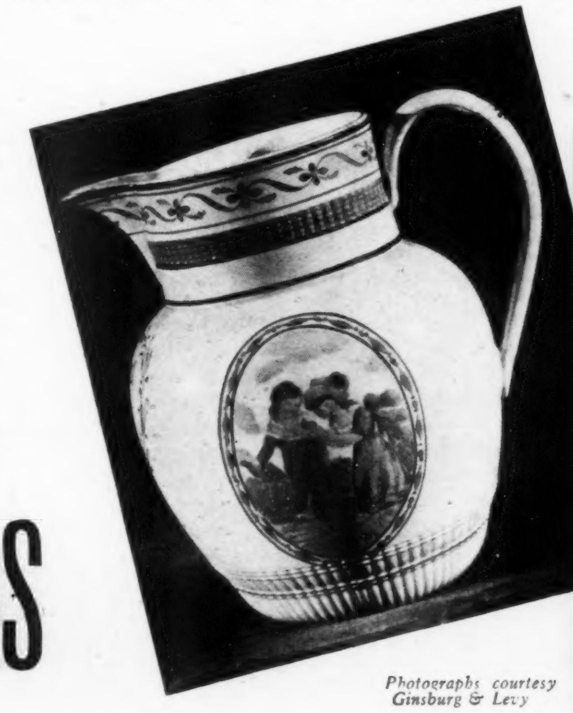
About that time Mr. Wedgwood looked with considerable dismay at the possibility of losing the American porcelain and pottery trade, for, in South Carolina, there had been discovered a clay equal to any to be found in England. Mr. Wedgwood expected American potteries to spring up and keep the trade at home; but that is another story. It was some years before the United States potteries were established. When they were, English and Irish potters began leaving their homeland for America and our potteries.

In the beginning pitchers made in this country were heavy and big; of cream-colored ware, decorated in transfer printing. During presidential years we had large eight-sided pitchers in black underglaze prints: a log cabin, "The Ohio Farmer," portrait bust of Harrison, the American Eagle, and the national flag.

Trenton in 1852, the Staffordshire of American potteries, made yellow and Rockingham ware pitchers. A handsome "druid head"

[*Please turn to page 104*]

A gift jug bearing hand-painted figures reproduced from an engraving



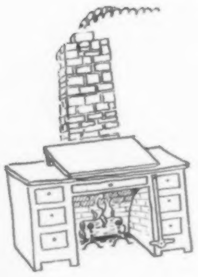
Ann, Lord
Bacob
1799

Photographs courtesy Ginsburg & Levy

HAVE BIG EARS

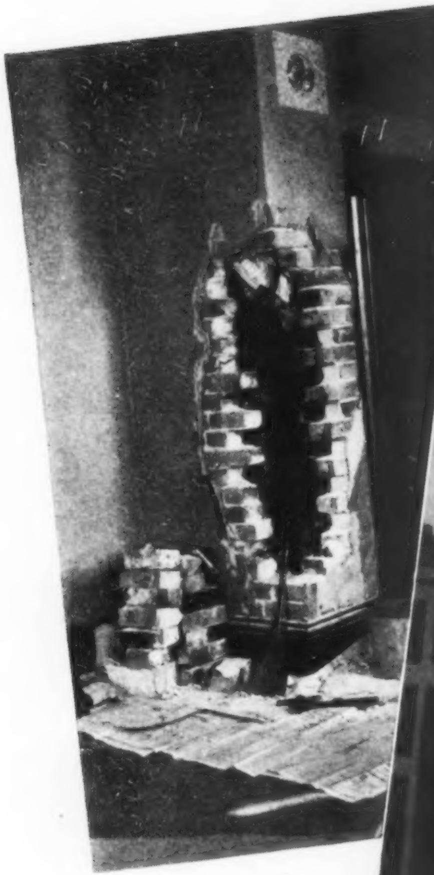
Our HODGEPODGE department

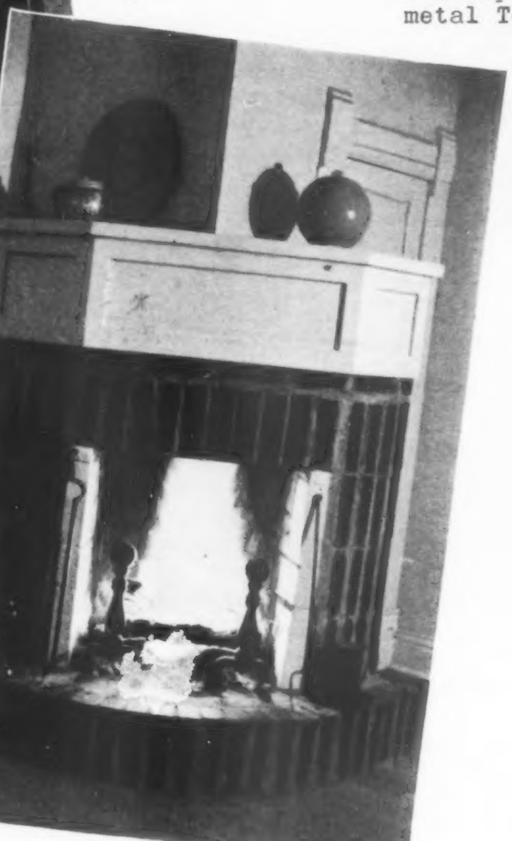
Grand Order of Fireplace Fanatics



It's high time someone was doing something about and for the tired business man. Why work eight hours in an office every day just to earn the right to sit around your own hearth at home a few hours in the evening. The fireplace must come to the office. This is the day of double garages, why not the day of double fireplace ownership? As an art director, I'm especially favored. I can use my metal T-square for a poker.

WENDELL SMITH
Keeper of the Fire, G.O.F.F.





Where there's a will there's a fireplace—as witness herewith. A corner fireplace which Mr. Wendell Smith built for his sister-in-law who had no place for a fireplace except through expensive remodeling outside and in

Mr. Smith writes further: I wrote you too soon about results from the Fireplace Fanatics letter which you published some months back. I quote herein from some further letters, but first wish to submit to the Grand Order of Fireplace Fanatics the following Code of Ethics:

No member shall condone a smoky temperamental fireplace. He shall correct the fault or rebuild.

No member shall covet his neighbor's fireplace, unless it is better than his own.

Any member displaying more than ten fireplaces in his home shall be charged with hoarding.

Members who chop their own wood, or gather their own fuel, may hold high office in this organization.

Gas grates and other forms of artificial fireplaces are taboo among ardent Fireplace Fanatics.

Members who favor the idea of building a fireplace first, and then adding the house shall be especially favored.

Fireplace Fanatics in good standing will refrain from over decorating the fireplace mantel. (More than one hundred pieces of bric-a-brac or miscellany, shall be absolutely forbidden.)

Woodman spare that tree—it may be needed in a fireplace some day.

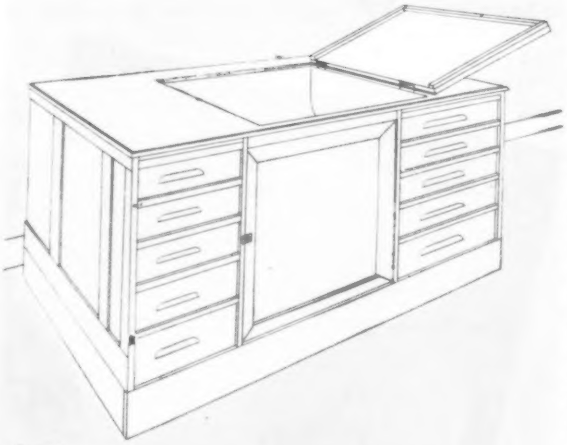
A log on the fire is worth two in the forest.

If you haven't a smoke chamber in your fireplace, your living room is apt to become one.

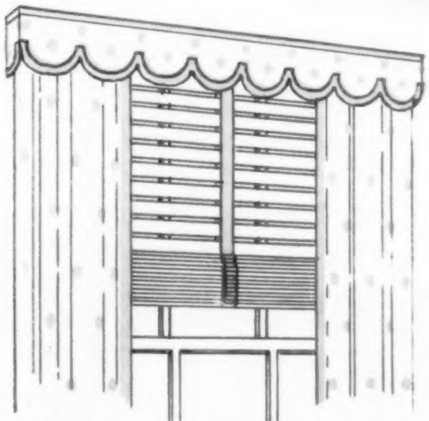
Judge not a man too severely by the ashes he leaves in the fireplace. A tidy hearth often denotes a tidy heart. Home is where the hearth is.

[Please turn to page 127]

BELLINGHAM WORK TABLE



An old-fashioned roll-top desk came down from the attic to be transformed into this convenient work table. The center top was cut out and put on hinges to form a cover for a flour bin when closed, and when opened and folded back, becomes a bread board. A moulding on three sides keeps flour on the board when used for rolling pastries, etc. The center space contains a built-in flour bin, with a space beneath. The top is covered with a black and white linoleum that resembles tile in pattern, and the entire top finished off with a brass moulding, without much expense....Mrs. Clyde Sellers, Bellingham, Wash.



OILCLOTH CORNICE

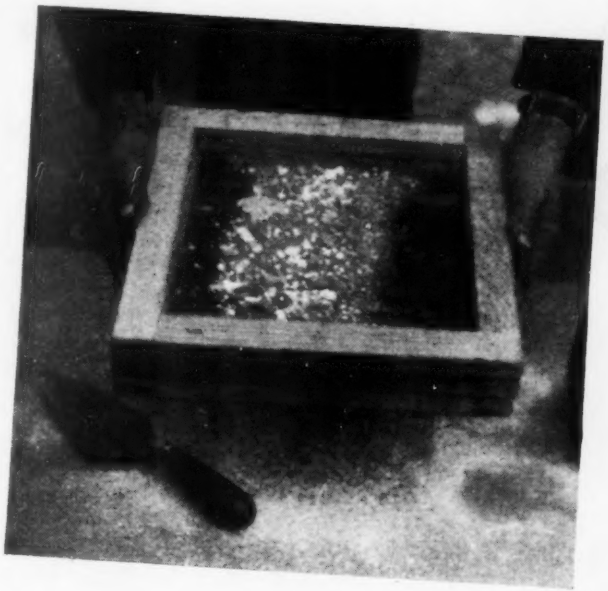
EFFECTIVE, inexpensive, and practical, a cornice with matching or contrasting draperies of oilcloth is the simplest thing in the world to make. Accenting a color you already have, rather than introducing a

[Please turn to page 127]

More letters :: kitchen draperies

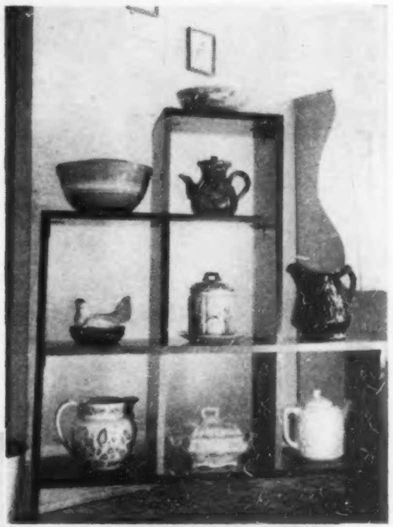
:: news :: other folks' ideas » » »

SIEVE FOR HOUSEHOLD MASONS



The home handyman when patching flower beds, garden or lawn fish pools, and doing other light concrete work about the place often needs a small sand hand sieve. Common screen is generally tacked to some boxlike arrangement and used with indifferent efficiency and success. A very good hand sieve can be made with little or no expense. Procure an old empty grapefruit crate. Carefully tap off the side strips, bottom pieces, and the thin lining on both sides of the center block. You will then have three square frames of the same size. Lay the piece of window or other fine screen between two of them and nail together, using the longer nails you get from the side strips. Tack on the other square. This affords a deeper box for the top. The screen will not touch the ground when you set it down. . . . Frank Bentley.

From photographs published at various times in The American Home came this idea for extra shelves. It uses little space, is decorative and colorful, and relieves crowding in our apartment kitchen cabinets. . . . Irene Miller, So. Milwaukee, Wisc.



VICTORIAN REVIVAL

With an apparent Victorian revival about us, with wax flowers being dragged from garrets and even kitchen curtains being drawn back with fluffy organdy bows, I was not to be outdone and looked around to find other objects that have been out of favor for some time. Remember when hand-painted iron objects – book ends, doorstops, door knockers – were in high favor? Well, I decided that with a little paint, these would fit in nicely with romantic and flowery Victorian, and spent several rainy days repainting some of these faded and chipped objects. I removed old enamel by soaking them in a strong solution of washing soda, then scraped them smooth with fine steel wool. I gave them a priming coat of flat white, then tinted the raised designs with white enamel mixed to desired shades by adding vari-colored oil paint from tubes. Now they are fresh and ready to use! Marion K. Smith

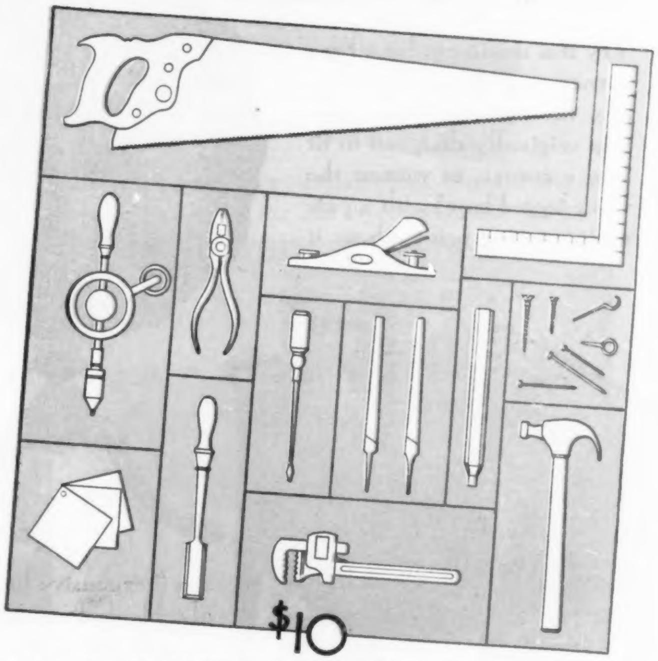
FOR HANDY HUSBANDS and TINKERERS

I. Tips on Tools . . . Wilbur Hall

If you're going to be a handy husband, doing your own tinkering around the house and yard and making yourself independent of the professionals whose bills run so high, you must start with good tools. There is no substitute!

Uncle Adam Smith used to say, "A worked-out plan is one third of carpentering, good materials one third; and your tools one third." Then he would add, quizzically, "And you are the other half!" Whatever may be said about the old man's mathematics, the fact remains that his logic was sound. If you want to become a really handy husband you could do worse than paste that saying up above your work bench or memorize it.

First-rate tools, expertly made from quality metals and fine-grained, sound woods, are as essential to the amateur as to the master artisan. If anything, they are more important to the handy husband not only because they make both learning and doing easier but also because he will be proud of them and will, therefore, use them more carefully and give them better care. He won't try to make a fine screw-driver do the work of a crowbar, nor plane the heads off nails with an expensive smoothing-plane, nor cut picture wire with a beautifully tempered chisel; neither is he as likely to leave any excellent tools lying around on a garage floor, nor forget where he put them down. At least, I hope he won't. If he does I'm afraid I'll have to give him up as promising material from which to develop even a halfway handy husband! On the contrary, I think he will soon grow to have a sort of sneaking affection for the things with which he works; he will presently be as jealous for them and as pernickety about them as about a favorite pipe or razor.



Personally, I contrive to have first-quality tools

[*Please turn to page 126*]

tips on tools :: extra shelf space

What does your Living Room score in this Table Test?

HELEN WEIGEL BROWN

Try this treatment for a bare corner—a walnut or mahogany tilt-top table (this style was originally designed to fit into a corner, as witness the three-legged base) with a pair of interesting prints above it

Ask yourself the eight questions below, and if your answers are all "Yes," shame on you . . . your living room is probably 100% inhospitable and pretty uninteresting as well. If you must answer "Yes" to only about half, your score is a good average and you're doing as well as a lot of your best friends. If you can honestly answer "No" to every one of them, your room should be bundled up and sent intact to the Smithsonian Institution as an extreme rarity for the curious to behold.

No. 1: When a guest lights up a cigarette in your living room, must he either begin cruising about in search of an ash tray, or remain stranded in his chair with no place to deposit the ashes but on the floor? (A good hostess sees to it that each chair in the room has a table close by to hold smoking accessories.)

ANSWER:........................

No. 2: When you serve cocktails or after-dinner coffee, are some of your guests, especially those on the sofa, expected to scintillate while nervously clutching an empty glass or cup? (It takes an Elsa Maxwell to do that, and seven hundred dollars your guests aren't Elsa Maxwells—there's only one of her! Here, again, strategically placed occasional tables would make you a better hostess and your guests more at ease. And for the sofa-sitters, there's nothing quite so grandly convenient as one of those big, long, low cocktail tables.)

ANSWER:........................

Sketches by Ray Brown

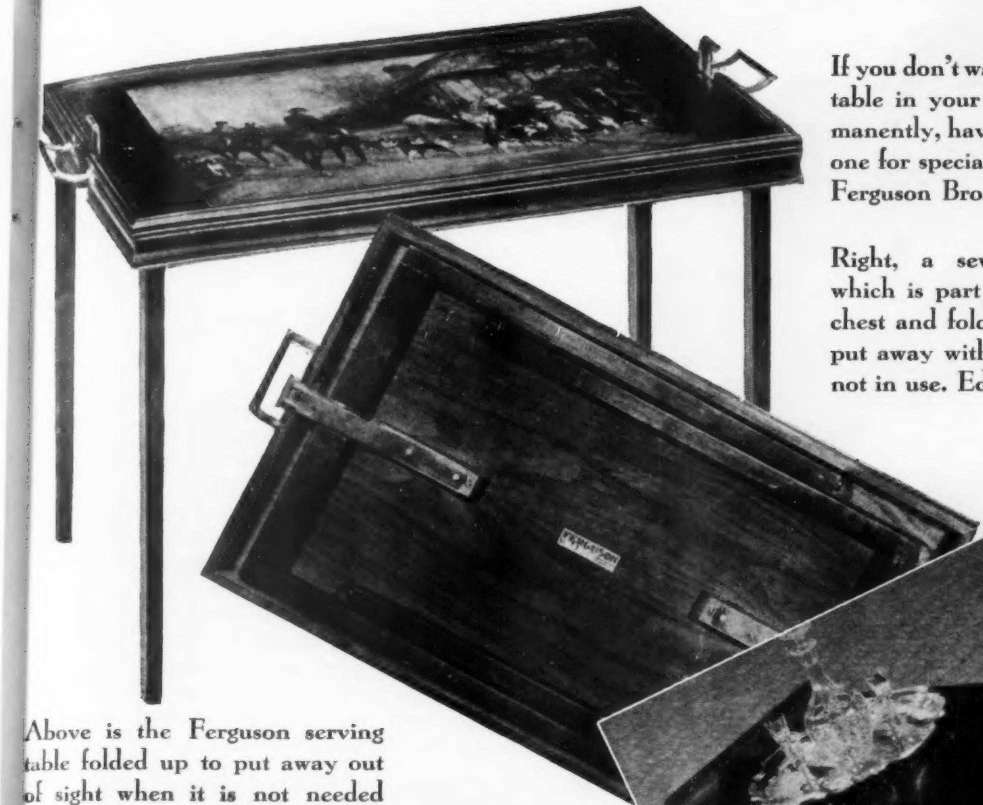
No. 3: Does any guest of literary tastes and he-man proportions find himself obliged, in your living room, to throw his sacrum out of

An inexpensive little occasional table, but an excellent copy of a fine custom-made piece

Here's what we mean, left, by a table to accommodate reading matter as well as to look smart in any room in the house

Recommended for an important spot, a drum-top occasional table in Chinese Chippendale

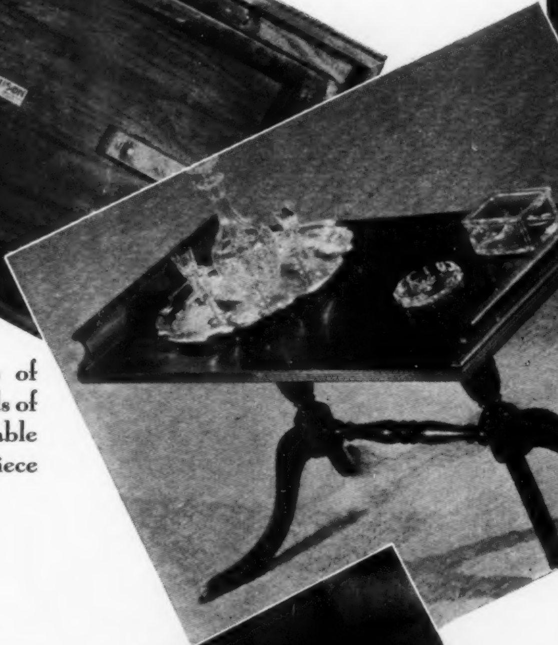
Barker Bros., Los Angeles



If you don't want a coffee table in your room permanently, have a folding one for special occasions. Ferguson Bros. Mfg. Co.

Above is the Ferguson serving table folded up to put away out of sight when it is not needed

Right, a sewing table which is part of a cedar chest and folds up to be put away within it when not in use. Ed. Roos Co.



The graceful, sweeping lines of the pedestal base and flare ends of this Duncan Phyfe cocktail table make it a most decorative piece

place in order to get down, down, under reading lamps that are on tables much too low for reading lamps? (There are tables, you know, designed especially to hold lamps at the correct height to afford good lighting.

ANSWER:........................

No. 4: Do you and your family have to give outsiders the impression of complete illiteracy because there isn't a blessed place in your living room to stack away interesting books and current periodicals which you may happen to be reading? (Nothing is more decorative in a living room than smart bookshelves, besides being so tremendously convenient; and there are all kinds of good-looking tables with shelves to hold books and magazines with grace and aplomb—and not a whiff of the old magazine carriers about them either!)

ANSWER:........................

No. 5: Is your living room guilty of harboring any of those top-heavy, spindly-legged tables which topple over at a single false move on the part of a guest? (What you deserve, if your answer to this one is "Yes," is to have one of those tables catapult a tray of forty drinks onto your nice new broadloom rug.)

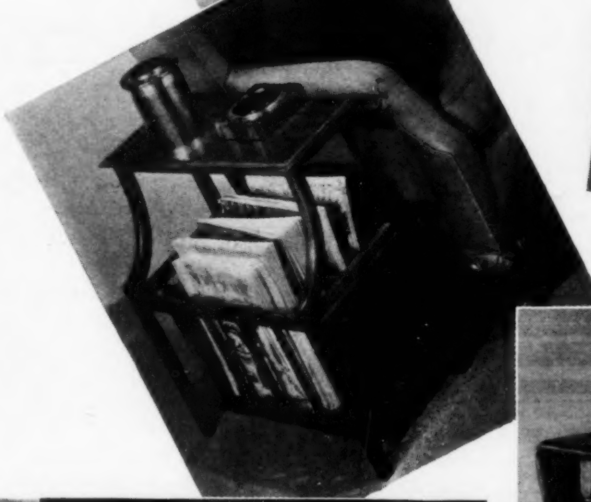
ANSWER:........................

No. 6: Is there a corner in your room innocent of all adornment save cold, bare walls, simply because you haven't thought of a thing to put there? (There are corner cupboards, whatnots, and tables that would be perfect here, brightened with your nicest decoratives and growing plants; a tilt-top table is especially effective if you don't want to use too large a piece. Corners, properly treated, can be transformed into important interest spots.)

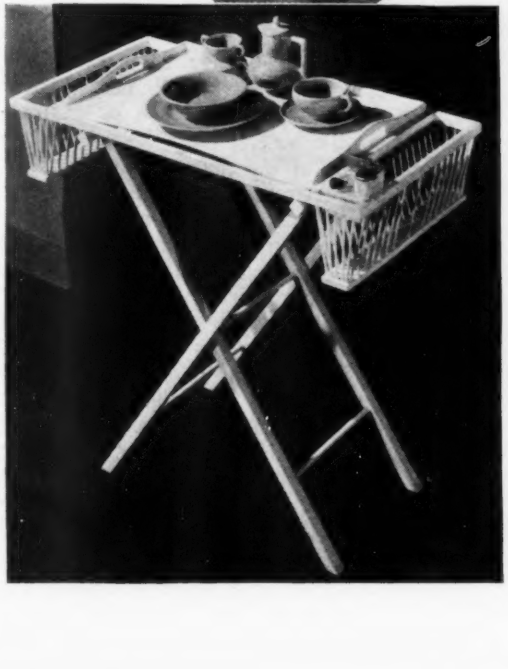
ANSWER:........................

No. 7: Are most of the occasional tables in your living room out of harmony with the

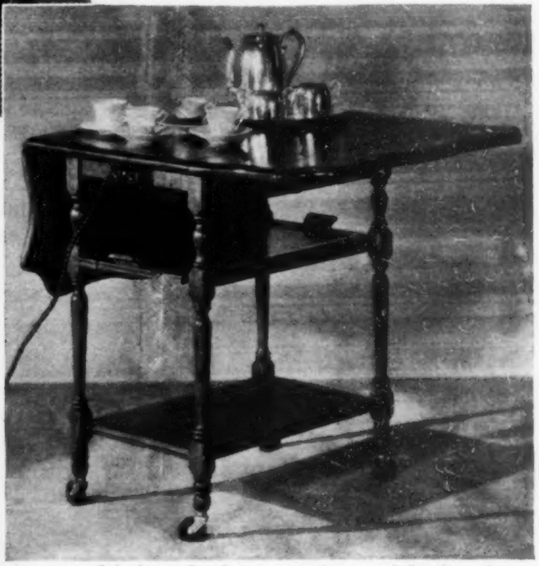
[*Please turn to page 86*]



Left: a tremendous improvement over the old style magazine carrier



A tray table for which you'll find a dozen uses. Grand for patio, porch, or even for the breakfast tray



This table leads a double life. Leaves down, it is an end table. Leaves up, it is a handy tea cart

Poppies

THURLOW WEED

"I know of no other plant which will bloom more profusely."—Flowers of the original Papaver orientale are bright scarlet with a central blotch of purplish black

A BALLOT was taken at a recent meeting of the garden club to which I belong and each of the one hundred members present named the perennial which was his or her favorite. The oriental poppy, I regret to say, got but one vote!

Here is why I cast that lone vote for this little-known but extremely desirable flower: I know of no other plant which will produce a more profuse bloom either the first year or in successive years after planting; nor of a perennial which can be grown more easily in all parts of the nation.

The general apathy of amateur gardeners toward oriental poppies is due, I believe, to their ignorance of the wide variety of colors now available. Too many flower lovers still hold the erroneous opinion that their color range is confined to a flaming orange-scarlet. Such is not the case, for during recent years hybridizers have been active and this flower has at last emerged in handsome, new and delightfully varied raiment.

To the original scarlet has been added a number of shades of red including cherry, rose-cerise, deep ox-blood red, and an unusual deep hue which suggests rare old mahogany. Then, too, there are the new apricot and orange blends as well as the pure white, and dainty silver tints which verge into the pale lavenders and various shades of pink, continuing to deepen until the true old rose and crushed raspberry tones are reached.

Poppy flowers vary considerably in size, the largest specimens attaining a diameter of six to seven inches. The honeyless, cup-shaped blossoms are formed by four, five, or six interlocking petals which have a fairly thick texture, though they convey the impression of being fragile as silk. They usually bear a rough triangular black or maroon blotch near the base.

In the heart of the chalice-like flower lies the rudimentary seed pod completely surrounded by a mass of bluish-black stamens which produce purple pollen so profusely that the petals become well powdered with it after a morning visitation of bees.

That poppy flowers wilt rapidly when taken indoors is a common delusion that leads many an amateur gardener to refrain from planting them. The poppy enthusiast knows, however, that if one selects blooms which are just beginning to open, cuts them in the early morning hours before the sun has warmed them, takes them inside and recuts the stems with a sharp knife, and then immediately burns the cut surfaces with a flame, the gorgeous blossoms will last for days and retain their freshness.

A candle or gas flame may be used in singeing the ends. This burning seals in the milky juices and acts as a disinfectant. Making the cut slantwise with a sharp knife avoids crushing the stem. Immersing the flower stalks in water nearly up to the buds enables them to soak up needed moisture. Picking the flower just as it opens prevents pollination and thus tends to lengthen the cut-flower life. When flowers are cut at this stage, their color will be slightly less pronounced than if they unfold in the sunshine, but the petals will retain more of the delightful crinkly quality noticeable when they first unfold. The enormous thistlelike, pinnate leaves, clothed with white bristly hairs, sometimes add much to the decorative effect of an indoor poppy arrangement. They are delightful, in themselves, for a leaf arrangement in a flat dish.

Poppies commence to bloom in the late spring about the time that the tall bearded iris are at their best, although the variety Olympia begins to flower several weeks earlier. Ordinarily plants bloom prolifically for a month, but a few varieties such as Proserpine continue to send up flower stalks throughout the summer and early fall. One-year-old plants send up one to five bloom stalks, while older clumps may produce anywhere from six to twenty, depending on age, size, vigor, etc. The stalks may grow as high as fifty inches, but this varies also with the variety, as there are tall, medium, and dwarf sorts. In most cases but one flower is produced on each stalk, this blossom remaining an attractive garden ornament for a number of days before the petals fall.

With the many new shades available, one can choose a variety to fit in with the most exacting garden color scheme and to bridge the gap between the passing of the spring flowers and the arrival of summer blossoms. Unfortunately the term "barbaric splendor" was long ago applied to the oriental poppy; it has caused many gardeners to avoid growing this perennial for fear that the blossoms will dominate the garden or clash with less striking flowers. Fortunately, soft, charming colors are now available which will appeal to the most fastidious landscape architect and which can be worked into the garden pattern without creating the dreaded clash. Indeed, there are poppies to suit every mood, every purse, every eye, and every garden. The blossoms combine in happy association with others of their season such as the bearded and Siberian iris, hemerocallis, peonies, anchusa, early delphiniums, lupines, long-spurred columbines, and flax. The large brilliant reds and scarlets always look well planted against a background of dark green

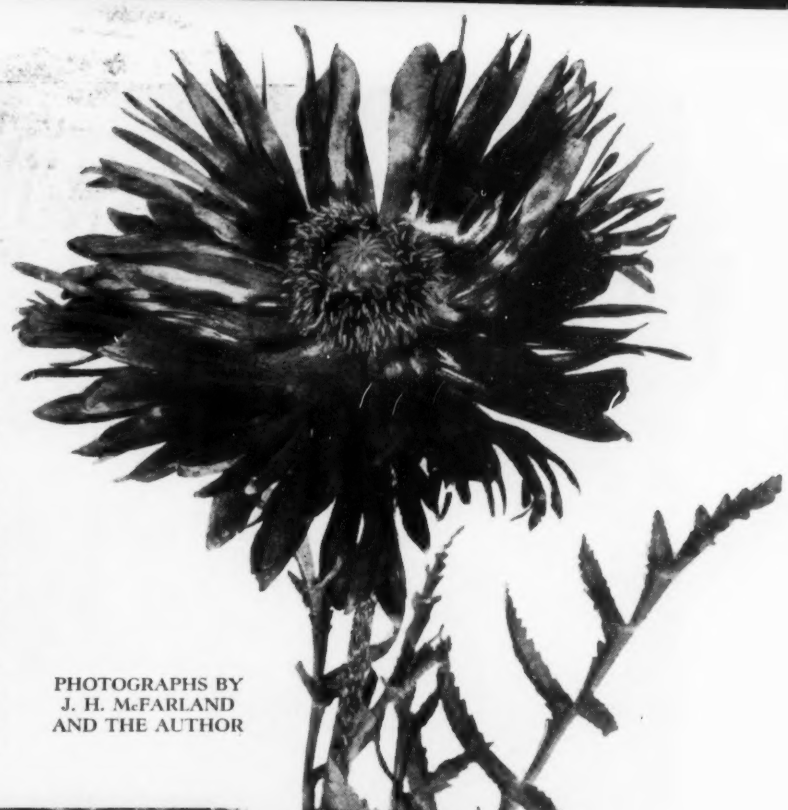
for Pleasure

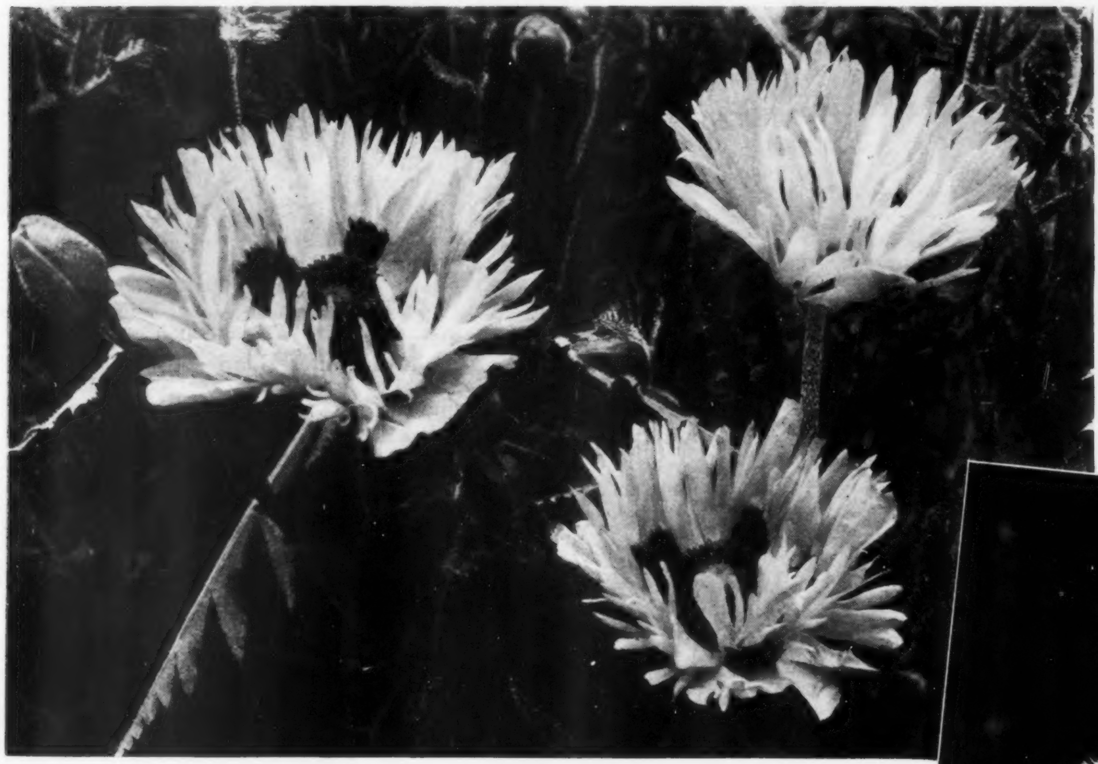
shrubbery, evergreen or deciduous.

The fernlike beauty of the leaves is striking and ornamental except for a few months directly after blooming when the foliage dies down. At that time the dry or yellowing leaves may be removed, and should the gardener wish to cover the resultant bare places, gypsophila and Delphinium chinensis are excellent to plant between the poppy clumps; or potted plants of geraniums, petunias, or zinnias may be used. Korean chrysanthemums, we have found, make an excellent follow-up planting. need not be disturbed. A few new pinks display a true branching habit, the laterals coming into bloom after the main flower has withered and died.

Oriental poppies are easily grown; in fact, they are most difficult to kill when once established. Except in the cases just noted, the roots resemble those of thistles and should be transplanted when semi-dormant; that is, over a period extending from completion of blooming until frost. If planted in the spring, the roots rarely take hold in their new location. Although

PHOTOGRAPHS BY
J. H. McFARLAND
AND THE AUTHOR





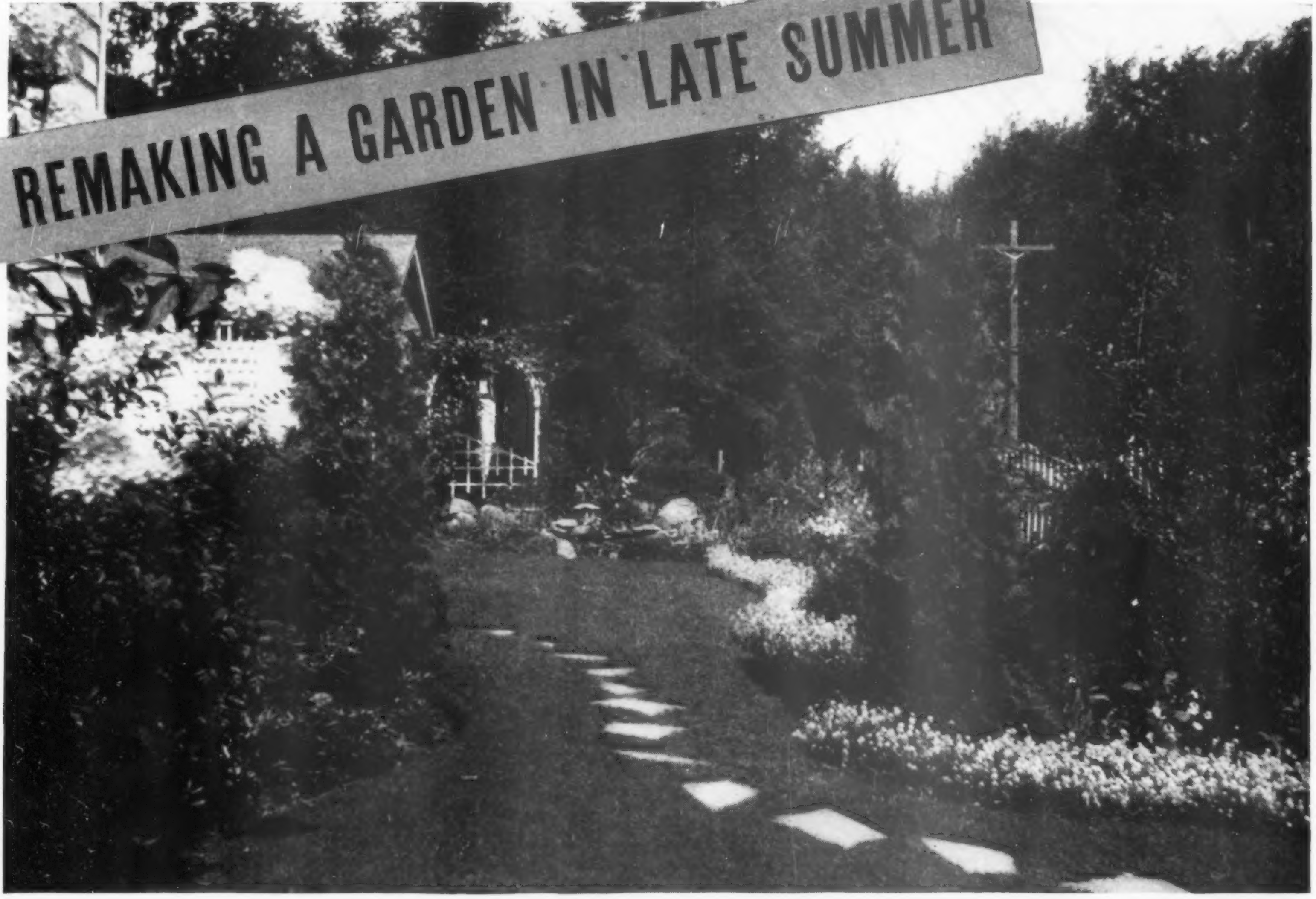
In form as well as color oriental poppies show wide and striking variation. The scarlet Lord Lambourne (above) and the salmon King George (left) have curiously fringed or laciniated petals. Below is the salmon-pink Princess Victoria Louise

In addition to the many new colors which have been produced in recent years, other odd features have made their appearance in the poppy flower. There are now varieties which produce blossoms showing no traces of the blotches so prevalent on most petals. A few varieties, such as the scarlet Lord Lambourne and the pink Majestic, have flowers with laciniated and fringed petals reminding one of Parrot tulips. Olympia, May Queen, and Fire Ball produce double blossoms, each composed of twenty to sixty small petals. Incidentally, these three differ from other sorts in that they spread rapidly by underground stolons, much like quack grass; they should, therefore, be planted where they possess unusual ability in the way of surviving and blooming under adverse conditions, plants do best in a fairly rich, loose, non-acid soil provided with proper drainage. The clumps produce more bloom stalks and larger flowers if given water during their spring growth period. Then, in the late summer, they should be watered to stimulate increased root growth. Plants bloom best in full sunlight, but the lavender, mahogany, and old rose shades are best placed in partial shade due to their tendency to fade. Generally speaking, poppies can be grown in almost any situation in the garden, except the shadiest corner and the low, wet spot—which are unfavorable.

During the dormant period,

[*Please turn to page 139*]

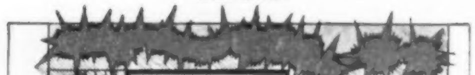
REMAKING A GARDEN IN LATE SUMMER



Looking into the rearranged garden from the point occupied by the letter B in the "after" plan

MARGUERITE H. SHAW

BEFORE



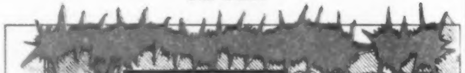
HAVE you ever studied a garden through the lenses of field glasses? What a multitude of good and bad points are at once revealed! It was just such a startling view—together with a dissatisfaction which had persisted for some time—that led to the decision to rearrange our whole garden. Drastic? Yes, but necessary; for that which had always been called a garden, now stood revealed as just a colorful mass of growing plants, without plan or design. It most certainly did not fit the expert's definition of a garden, for it was not "an enclosed place where one may go for quiet meditation" (as the Japanese say); nor was it, "a group of lovely pictures, which, when correctly assembled, make a pleasing whole."

Authorities claim that lack of good design is the biggest fault found today in gardens, as well as in flower arrangement, and indeed most of us are too ready just to plant things anywhere and anyhow, trusting to luck or to a favorable season that they will grow at all. Just as in architecture, interior decorating, fashions, or in arts and crafts, one must first work out a given plan or design from which to create the objective, so should a garden first be carefully thought out and arranged in black and white, according to certain principles and rules.

The criticism has been made that most amateur gardeners are continually making changes. Well, most of us like to rearrange our homes now and then; why not the garden as well? Surely there is always room for improvement. And, after all, the everyday garden problems which we have to solve, the triumphs and failures, the new plants to study, the fun of planning and executing changes for the better, and the thrills of anticipation are the things that keep our enthusiasm at high pitch and our interest in gardening constantly alive!

[*Please turn to page 144*]

AFTER



"I want my children to have the best . . ."

CAROLINE BANCROFT

A young mother, with the appealing earnestness of one who has conscientiously and lovingly tried to solve a knotty problem, asked: "But what shall I do? I want my little boy and girl to have the very best education I can give them—everyone has such different ideas, I'm all mixed up"

THE mother received an answer that is well worth hearing, for the educator who gave it is a rare woman. She is Jessica G. Cosgrave, founder and head of Finch School for girls in New York City. Mrs. Cosgrave has spent her life as a pioneer in the vanguard of education. After she had added a New York University law degree to her Barnard College education, she decided that the ideal education ought to be less academic than her own had been. For exuberantly alive youngsters, education ought to be a truly living affair, and in 1900, she organized what is now Finch School on that premise—a radical departure from the then accepted vogue in schools and colleges. But she persevered. Her first innovation was to give academic credits for art, music, and cultural subjects of a vocational nature. Today, the principle that she offered in 1900 has spread to such proportions that there are now two widely discussed colleges founded on that principle—Sarah Lawrence College and Bennington College

WITH changing conditions, Mrs. Cosgrave is pioneering again. She says: "Let us educate our children for today—and all that today means. I am trying to do just that with the girls and tiny boys under my care. You can do it, too, by what you ask for from your children's schools and by the atmosphere you create at home. Both angles are equally important and we need new slants in each place.

"In schools, let's not go on with attractive theories merely because they seem attractive. Let's examine them; see if they fit our present needs. If they have practical elements, let's keep them. If they haven't, let's discard them.

"Someone suggested to me that this was taking education backward, back to the Victorian era. I don't regard it that way; I look at it as a spiral, incorporating what we have learned in the modern trend to meet a definitely growing necessity for reality and dignity.

"Prosperity times," Mrs. Cosgrave went on to say, "had given American education an opportunity to expand in many directions, in trying diverse methods of teaching and in building magnificent school and college buildings. This adventure had been fostered as much by parents as by educators, and was suited to the general heyday. But now that the world situation has changed and America's living scheme has a different tone, parents and teachers should plan more concisely toward a future for their children. If they are to adopt such an aim, they will have to strive for a more concentrated, more disciplined, and more realistic atmosphere.

"The prevalent vogue, modern education (as it is loosely called)," Mrs. Cosgrave continued, "had its first impetus in America along about 1912. But its real popularity did not occur until the 'twenties. Then it spread through the private schools like a swarm of bees gathering honey and soon crossed the fields into the public schools and universities. It buzzed everywhere. The theory behind its popularity was that an unhampered, happy child could develop to greater mental stature. Advocates of the Montessori Method, the Dalton School, the Lincoln School, and other places where advanced experimentation was carried on, felt that in this principle they had made a tremendous discovery. There were parents and teachers, even then," Mrs. Cosgrave hinted, "who questioned whether these advocates had stopped sufficiently to define what made happiness for the child. Perhaps the child preferred order and restrictions. But the theory went on spreading, nevertheless.

"The child should study as nearly as possible only those things which he preferred. He was to be allowed a much larger portion of his school time for play and, wherever possible, studies were to be made to seem like fun. To make his chores more enticing, he was to learn by the indirect method, mathematics by carpentry, spelling by word games, history and geography by sand-table stage sets, and all of his studies by the project method in order to carry over his interest from day to day. A project in teaching," Mrs. Cosgrave explained, "is some special plan of accomplishment that the class does as a whole and to which everything must be related over a certain period of time."

SCHOOL
SLOW

H. Armstrong Roberts

"Oh, yes," the young mother said. "I know. In my little girl's class, they are making a beaver-board playhouse and furnishing it with things they make themselves and learn about in other subjects."

The project method could be fine and constructive in Mrs. Cosgrave's view, provided it was confined to subjects with which it is truly compatible, such as history, but not if applied generally. And Mrs. Cosgrave began to outline present conditions in America. "Everywhere, in the business world there is a growing emphasis on people who can deliver the goods, who can concentrate. Yet, in our home life, there is more and more distraction. Radios, telephones, automobiles, and all the modern rush take an enormous nervous toll from the children and prevent them from acquiring the concentration they will later have to have. Business and professional requirements are stiffer than ever before—and our schools and homes must begin to face their demands.

"With financial pressure what it is in most of our homes, I think the time has come to be very practical. So far as projects go, and much of the modern vogue in education, I think they are too diverting. Nothing must dissipate the children's mental energy, if our aim is to fit them for the world they will have to meet. The kindest thing we can do for our children is to equip them—which means that every boy and every girl should be trained in his school years for a life work. A classical education had its place when inherited wealth was a sufficient career for a boy, and marriage for a girl. But those days are no more—both marriage and investments have grown precarious, and every young person should be trained for self-support.

"If you have older children, I think you should insist that they emphasize vocational problems. They should take subjects that have some definite application to the career they intend to follow. In addition, they should take as much economics and sociology as they can fit into their curricula—this will enable them to have a wider and more modern grasp of their life's course when they take the helm.

"If you have younger children, you must see that they acquire all the mental tools necessary to go ahead with their plans when they have come to an age sufficient to decide on their life work. But with all sets of children, old and young, boys and girls, you must realize that they have to accomplish their school tasks against the speed, the confusion, and the upsetting variety of modern life. That is where you, as a mother, and I, as a teacher, must help.

"More than ever before, we must demand quiet restraint and discipline. We must seek to be as steady and calm in the school or home as life about them is not. In recent years, neuroses among children have increased alarmingly. This is only the natural outcome of the unconscious toll I spoke of but from which you should guard your own children."

[*Please turn to page 63*]

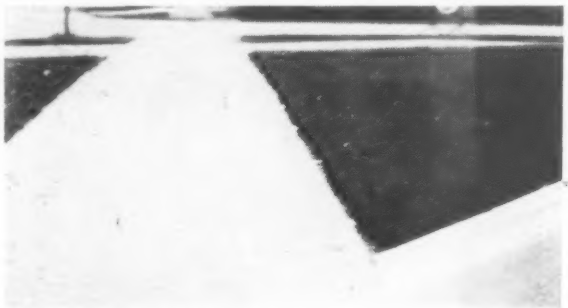
Notice the difference between the poorly made, neglected lawn and the new, well made grass plot in the foreground

A step at the sidewalk end of the housewalk is unsightly and dangerous. Regrade lawn; put step at house end

Make Your Lawn NOW

W. L. FARMER

Water unable to escape through a poorly drained lawn area may freeze and throw flags out of line



Channeled turf edges along concrete walks are hard to keep tidy, and tend to collect itinerant weed seeds

NOT LONG ago I happened to hear a successful realtor stressing the attractive features of a property to a prospective buyer. I was surprised at the importance attached to a good lawn by both individuals, and, later, to learn from the broker how frequently the distinctive beauty of such an improvement is a prime factor in the clinching of a sale. The limited area of the average city lot offers little scope for the landscaper's art, but even the tiniest of front yards can be given a velvety grass carpet which will add to it almost unbelievable charm. That but few home properties are so embellished is regrettable, especially as it is unnecessary.

It is the legion of owners of homes on ordinary city lots that I would urge to action in providing their premises with an improvement of much beauty and of intrinsic value at a moderate expense. If inexperienced in lawn making, I suggest that they do not attempt the dubious operation of building a lawn in springtime, but rather await the fall season when Nature will marshal her beneficent forces to aid in the success of their undertaking.

If you have a notion that grass will grow anywhere, and that special preparation for a lawn is not needed, banish it. True, some sorts of grass seem omnipresent, but the making of a good lawn requires grasses of a special fitness, to be grown under special conditions. A proper seed bed is as necessary for a lawn as for the flowers your limited area permits you to grow.

Begin in late August. If your house is of the vintage of the-nineties, or a bit later, you will find that the builder probably buried gravel, brickbats, plaster, and other refuse of the building operations beneath the clay excavated from the cellar; that clay, mounded between the walks as in a country graveyard, formed the basis of an attempted lawn sown to timothy—justly valued as a hay plant, but thoroughly unsatisfactory for lawns. So you must dig.

Excavate to a depth of five or six inches below the top of walks and drives. A string, a straight piece of lumber, a supply of pegs, and a level are your surveying tools. Stretch the string from top of walk to the far edge of the plot, fixing your grade with straightedge and level. Drive pegs a few feet apart until their tops are level with the string. Repeat this at intervals until your whole space is pegged into squares. The pegtops indicate the depth of the required fill and the surface of the ultimate turf.

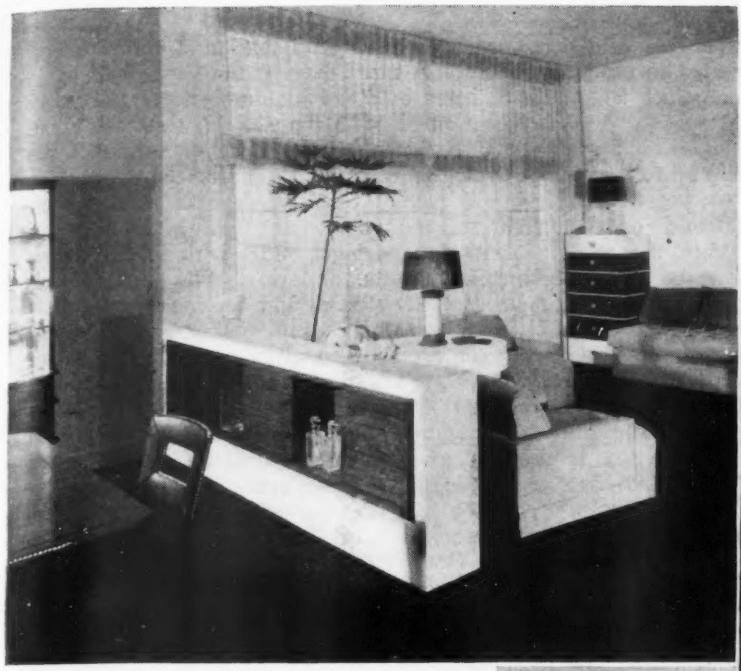
Your local nursery can usually supply "greenhouse" soil. It is advisable to use it if obtainable, as this mixture of sod, black soil, loam, and manure has been stacked for a year or more and thus subjected to a seasoning process which has rendered many obnoxious weed roots and seeds harmless. If ordinary black dirt *must* be used, be sure that it contains no quack-grass roots. Then add to it well-rotted manure, or commercial fertilizer in the quantity recommended by the manufacturer. Spread the soil in the excavation, leveling off to the tops of the pegs, and then remove them. Next, tamp or roll the dirt, thoroughly. (Your hardware dealer will perhaps rent you a water-ballast roller for a nominal fee.). During the rolling add soil to fill any depressions that develop, and continue until you have an even surface throughout, compressed to one inch below the top of the walks. This feature will be especially appreciated in winter

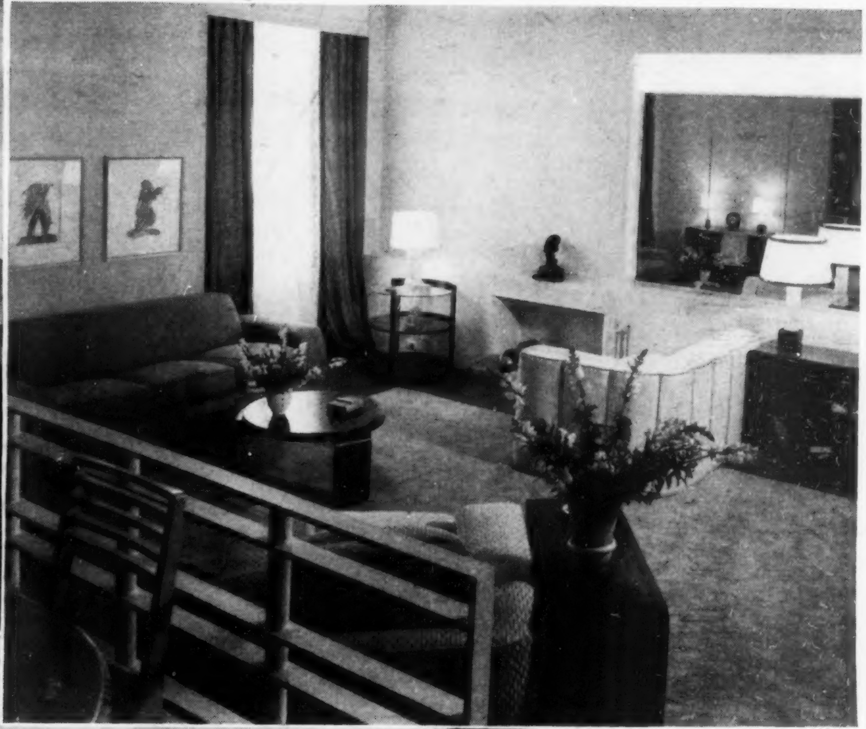
[*Please turn to page 148*]

This is only forty-four feet of frontage, but it is made to appear deeper by the properly graded, well cared for lawn area and parking strip

Proper grading in the first place, and then the use of good, weed-free grass seed, would have prevented this erosion and ugliness

Photographs by the Author





Above, a "Divider" utilized for living room accessories on one side and dining room on the other. R. H. Macy. Right, a modern room by Bloomingdale wherein a mirror panel effectively emphasizes spaciousness

Akron

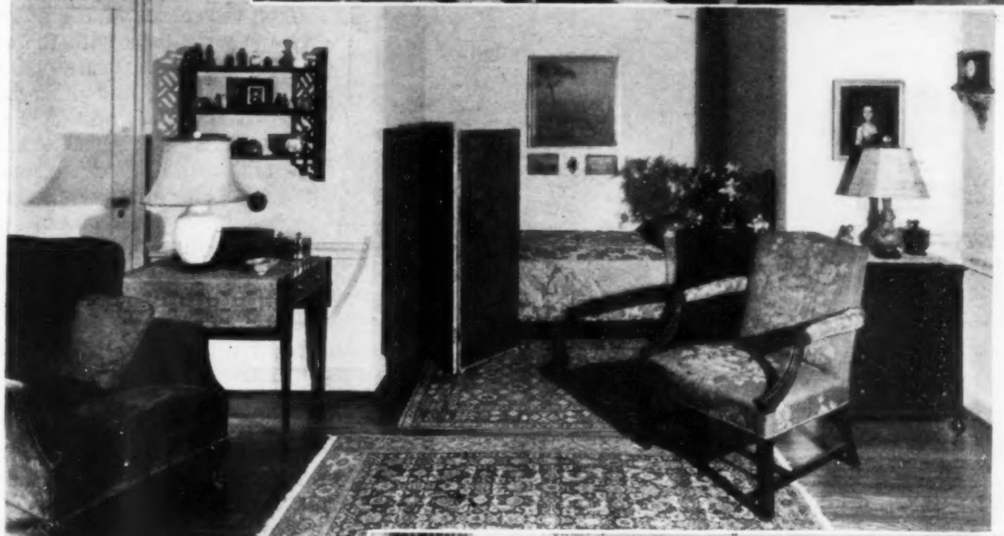
Comfortable One-Room Homes

HANNA TACHAU

The desire for small apartments grows apace with the times. One-room apartments, especially, are more and more in demand because more and more men and women wish, or are compelled to live alone, and they either are too occupied to take on great responsibilities or cannot afford large expenditures. The one-room apartment can, with ingenuity and some knowledge of practical furnishing, be made to fulfill adequately and even charmingly all ordinary requirements of present-day living.

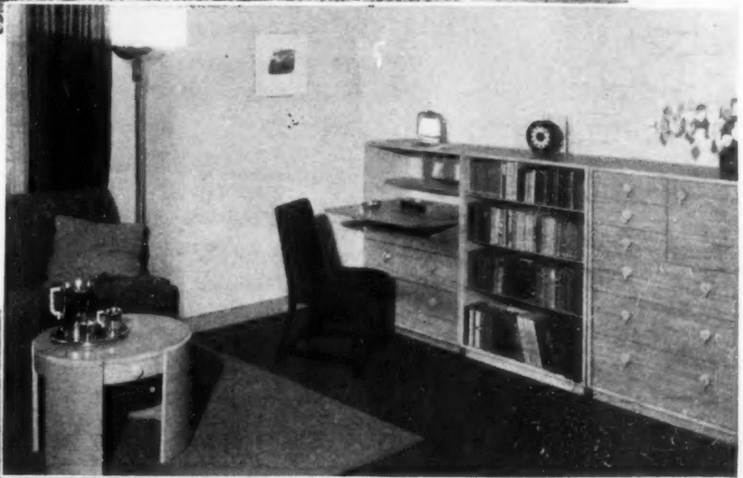
Many old houses and some of the large apartments are being successfully converted into one-room units, but the problem has become so exigent that it has called forth the best efforts of architects, who, when including designs for one-room apartments in the original plan of a building, have worked out schemes that advantageously utilized every inch of available space. Included in many of these plans is a small entrance hall which leads into the one main room; and then the bath, kitchenette, and closet are arranged in various ways best suited to the total allotted space.

Sometimes there are structural breaks in the continuity of walls. These should be taken advantage of for decorative purposes, for not only do they add interest to a room by providing charm through contrasting light and shadow,



M. E. Hewitt

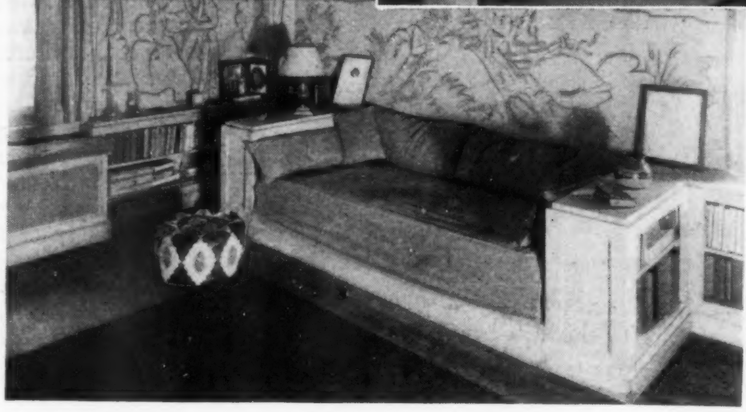
Above, the bachelor apartment of T. Creighton of New York. A nook at the end of the room provides an ideal corner for the bed in front of which is placed an attractive screen



West—Dempster Co.

Right, an attractive, homelike arrangement for one-room living. Desk, bookcase, and chest, of light wood from Herman Miller

M. E. Hewitt



Gay murals by Joseph Mullen serve as a perfect background for a combined living-sleeping room in home of Romney Bren

Sofa opens to twin beds or a double bed. Modern upholstered arms and upholstered back; attractive when used in combination with the chair. Two inner-spring mattresses are from the Simmons Co.

G. H. Davis

Sectional furniture provides generous seating capacity in the corner of a room without taking up valuable space in the center. The three parts of the sofa can be used in other ways. Heywood Wakefield

West—Dempster Co.

American Federal furniture from Widdicomb Furniture Company was chosen as the perfect complement for the rich beauty of these pine-paneled walls. An air of quiet dignity has been achieved

but angles, extensions, or any irregularities that may occur can be directed to practical purposes. A niche may be the very place for a table which is capable of being extended for dining to seat six persons; an alcove, created by an angle in the wall may provide some seclusion for a convertible sleeping couch; an extension window lends itself splendidly to an arrangement of plants or for the disposal of a writing table. These are merely tentative suggestions, for each apartment offers different and individual possibilities of its own.

When the room presents four straight walls with several doors for exits into bathroom, kitchenette, and closet, the furniture arrangement must be more carefully studied and one must resort, perhaps, to the use of a few interesting screens, that appear either as part of the wall surface or are in themselves beautiful decorative motifs. To make more luminous a dark corner or to indicate subtly an illusion of space, why not utilize a mirror screen which radiates light and multiplies space by reflection? Indeed, mirrors have been used since time immemorial as purveyors of light and as suggestors of space and have proved completely effective.

A fireplace with a chimney that does not smoke is always a desirable thing, but when one room is to do duty as living room, bedroom, and dining room, it looms large as a decorative as well as a practical asset. At once it becomes the nucleus around which furniture groups itself naturally and informally; it is the central point of interest from which hospitality is dispensed, and it helps to create, through its architectural importance, the feeling of a living or sitting room, which is an atmosphere to be encouraged in a twenty-four hour room where one intends to entertain one's friends. If the fireplace happens to be placed in the center of an end wall, the space on either side of the mantel can be converted into closets by making the walls flush with the chimney breast, or such a space can be used for built-in shelves—one side for books, the other for holding china, glass, linens, and other housekeeping necessities.

It is always advisable rather to buy gradually and sparingly than to amass too much furniture and too many accessories at one time. This oft-repeated truism is especially applicable when furnishing a one-room apartment. One person's needs cannot be measured by another's, yet it becomes a necessity when living in very small quarters to limit and eliminate as much as possible. Before buying anything, very accurate measurements should be taken of any available space, so there will be no unpleasant surprises, after acquiring certain necessary pieces of furniture, in finding they are either too large or too small to fit adequately the space for which they were intended. And do not be afraid of empty spaces! They are always restful and orderly, and therefore to be coveted.

If one is not compelled to buy in a hurry, it is the greatest fun to hunt for, and then finally capture, the one perfect piece one has in mind for a particular place or purpose. Taste changes and grows more knowing and fastidious with time and experience, and then it is indeed a misfortune to find oneself already irrevocably committed to the wrong thing.

A bed, of course, is the first thing one must have, and it should be at least thirty inches wide, whether an old bed or couch that has been converted into a day bed, or a new one—but either must be comfortably equipped with good springs and the best hair or inner spring mattress. There is also the latest type of studio couch which gives the maximum comfort and which can be opened out and used as a double bed, if required. This type is built to conceal the bedding when closed—the bolster adding comfort during the day by holding the couch pillows away from the wall.

Some of the new apartments are equipped with various devices for providing greater floor space during the day by concealing a bed in the wall which is pulled out at night, or by having specially built closets from which a bed swings out at night. This is the well-known Murphy type of bed. This same company is responsible for a cabinet which, when opened, reveals a kitchenette, perfect in every detail. It is an admirable device and one to be recommended when no separate kitchenette has been provided.

The treatment of the walls should form as good and harmonious a background for furniture as possible. They should either be painted a neutral tone or be papered, provided the papering is in keeping with the furniture that is being used.

A chest of drawers is a great convenience. A highboy or a tall chest with drawers, adapts itself to any type of room. Many good reproductions of old ones are available at fairly moderate prices. But closets are so well equipped these days with space for drawers as well as hanging space for clothes, that even such a chest can be dispensed with. A secretary desk answers many requirements, with its combination desk, glass enclosed shelves, and convenient drawers that can be used for general belongings or for special books or one's pet china or perhaps for a collection of favorite knickknacks.

[Please turn to page 132]

Novelty Perennials for Next Year's Gardens

We take a trip and look them over

GEORGE E. ROSE

HERE it is late summer again. Once more the mercury in the old thermometer is paying daily visits to the upper nineties. The high, nasal drone of the harvest fly has steadied down to monotonous regularity. The garden hose has been removed permanently from the security of the reel that it may carry its saving stream to the lawn and garden, for dryness is again upon us and much water is needed to revive those newcomers in the garden which hardly have their roots well established in their new home after the journey they took last spring from the growers' fields.

It's a far cry back to last midwinter when, surrounded by gorgeously illustrated catalogs, we sat by the fire and chose here and there, as picture or description caught our fancy, our list of perennials to try in the garden. How many of us are satisfied with the selections made those winter evenings? If we aren't, is our dissatisfaction due to the fact that the flowers didn't grow in our gardens with the same beauty that they displayed in the catalogs? Or is it because the descriptions and pictures described the plants so incompletely that we chose the wrong varieties and put them in the wrong places?

How much more satisfactory it would be to select our plants now while the varying conditions and requirements of the garden can be seen and taken into account. Of course, we haven't the flood of new catalogs to choose from but, better still, we can go directly to the nurseries where the plants are being grown, see them growing (and in many cases blooming) and make our selection much more intelligently than is possible in the winter. Moreover, this is the best time in the year for moving doronicum, oriental poppy, mertensia, and many of the irises, while scores of other perennials in full leaf and flower may, with comparative safety, be dug with a ball of earth and taken right along home with us. The really finicky plants we can order now for delivery either later in the fall or next spring, depending upon their nature and their individual requirements.

If, perhaps, you are too busy, or haven't the means of conveyance, conveniently to visit such an establishment, a trip on paper won't cost anything, nor take much of your time. So if you will hop aboard, we'll start on a flying visit to a representative perennial-growing establishment where, in the fields and experimental plots, we will find many things that are fine and new in useful, hardy, herbaceous perennials.

Past the office, shipping buildings, propagating houses, and row after row of cold frames and seed beds, we go on into the growing fields with their long, straight, evenly spaced rows of plants that form broad, low tufts with a multitude of flower stalks just beginning to rise from the glossy foliage. Hardy asters—and what a quantity! The new varieties are extremely popular due to the improved colors and greater size of the flowers, and also to the fact that they bloom in early September during that lull when the regular summer blossoms are mostly giving way to seed pods and the chrysanthemum show is not yet in readiness. The originators have been working overtime on this family, and we find that there are several outstanding new tall varieties, mostly originations of the aster specialist, Ernst Ballard, of Colwall, England. Notable among them are Amethyst, a medium lavender-blue, very double variety; Radiance, a fine warm double pink with a bright golden eye and a very erect and shapely habit of growth; and Mammoth, with flowers of a pure pearl gray, a most unusual flower color. But color is not its only unusual feature, for with proper handling its individual flowers will attain a diameter of three inches, much larger than any other hardy aster. At first they appear double, but as they age, the inner petals flatten out to quite an extent, disclosing the center disc of yellow.

Then there is Blue Plume, without question the deepest blue of the blue asters and very large flowered as well. Col. F. R. Durham is somewhat smaller, but a very attractive mauve, making up in number of flowers for what it may lack in size. A white has yet to make its appearance which can compare in sheer beauty with that tower of white, Mt. Everest. Surely we will want to plant this aster, if we have room and can provide a stake to support a five- to seven-foot pyramid of floral snow, for it is one of the finest of the newer perennials. A real red hardy aster has not yet appeared, but in the interim Red Rover, Charles Wilson, and Ballard's Crimson are battling it out for first place. All are bright, showy plants which will brighten up any garden during the very late summer.

Before leaving the asters let us look at this spring-flowering variety, Aster subcaeruleus Wartburg Star. Not that it is particularly new, but it has been difficult to obtain this plant in its true form. Now several firms are offering Wartburg Star grown from divisions of true imported stock, so *do not take seedlings.* Had we visited this nursery in May, we would have found these tufted plants bracing themselves to hold aloft large quantities of lavender-blue daisies, each measuring three inches or more across.

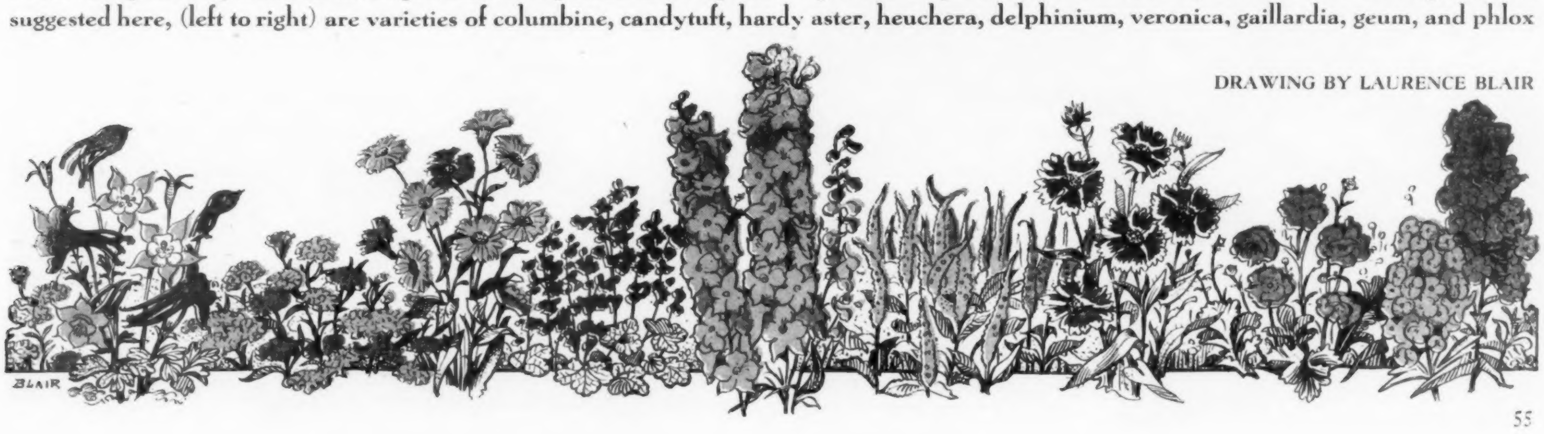
Across the Atlantic there is said to be a double, crimson-purple aubrietia, Barker's Double; but England is a long way off and our nurseryman host tells us that he knows of no one over here who has it as yet. However, he shows us a bed of husky aubrietias of a fine new hybrid strain which was introduced by Hurst of England last year—the Monarch strain. They are particularly showy, with exceptionally large flowers and a color range from pink through red to deepest purple. Noting that the plants are in pots, we are told that aubrietias resent being disturbed and, it has been found, are best handled commercially as potted plants.

Beyond the asters, stretching row upon row from the road to the distant edge of the field, are columbine plants whose rather pale green foliage contrasts sharply with the rich deep emerald of the asters. Aquilegias, our guide calls them, adding, "Plant them

[*Please turn to page 140*]

Present-day developments in the improvement of perennials are producing entrancing novelties in shades of pink and red. Among them, as suggested here, (left to right) are varieties of columbine, candytuft, hardy aster, heuchera, delphinium, veronica, gaillardia, geum, and phlox

DRAWING BY LAURENCE BLAIR



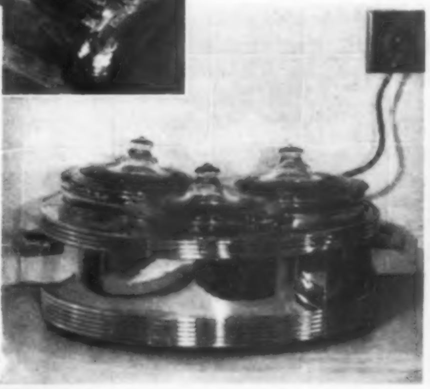
MAJOR & MINOR

Edited by
JULIA BOURNE
Home Economist,
American Home Kitchen

For easier jam and jelly making, try these Cellophane Jiffy-Seals above

This General Electric floor polisher, left, is grand for tile and linoleum

Aluminum Cooking Utensil Company's steamer

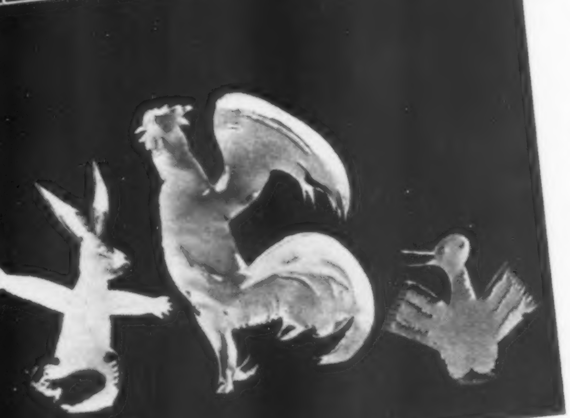


Forman Brothers make this buffet dish for your Sunday night suppers

The "Peep Hole" door knocker insures privacy from strangers

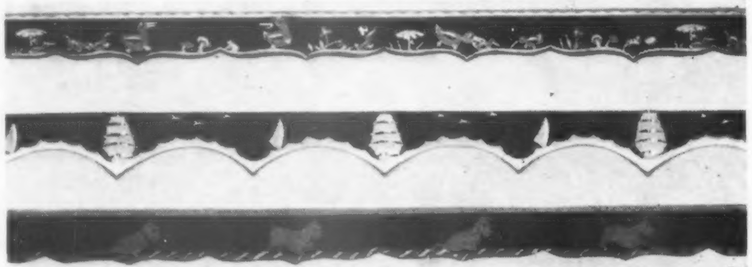
Protect your grass with a Sani-Stan holder for garbage can

Watch your tea as it brews in the Pyrex glass teapot



Shiny aluminum foil is used for these amusing party table favors, courtesy of Kensington Inc.

You really should invest a small sum in the new Edgem Scissors Sharpener



Brighten your cupboards and pantry shelves with edgings from Dritz-Traum

LIFE is getting easier every day. If it's not a new gadget to keep unwanted visitors from ringing your doorbell, then it's an electric roaster that turns itself off whenever it decides that dinner is cooked to a turn. Running a house and taking care of the young (to say nothing of a husband who comes home for three meals a day) is just a breeze, if you keep up with what's new on the market.

FOR SHINIER FLOORS. You can forget about the backaches and tired arms that used to go with the mere idea of floor polishing, if you use the new electric device made by the General Electric Company. Simply plug it in, and let the friction of fast-revolving brushes scrub, wax, and polish for you (a different brush attachment for each operation). Then use the hard rubber disks and felt buffers for a high luster.

NO MORE UPSETS. If the yard is your pride and joy, try a Sani-Stan to hold your garbage can securely at any convenient height. No stray dogs can knock it over and have a feast at your expense. It protects the grass and makes lawn-mowing easier; it's sanitary, and you can't run over it when you back the car out of the garage. We're convinced that it's quite an idea.

BUFFET SUPPER. With leaves falling and your social season getting under way, you'll find a chromium warming dish a convenience for buffet suppers. It keeps three dishes hot—electric, of course.

SPECIAL TO TEA DRINKERS. Be sure to try the monogrammed Pyrex glass teapot for six cups of tea that even an Englishman would praise.

A VEGETABLE STEAMER This latest step in making cooking a pleasure will practically run the kitchen for you! It's useful for all vegetables, brown bread and puddings, canning, and even sterilizing the baby's bottles. What do you think of that for all around efficiency? It is made of hard, thick sheet aluminum, and can be used on any stove from an electric to a coal or wood one. It saves food values and will last a lifetime, in addition to being very inexpensive.

FOR PARTIES. The amusing things you see at the left are table decorations or favors with a sense of humor. Made of aluminum foil, they come in sets of Mother Goose, Winter Sports, Swing Band, Alice in Wonderland, Going Away, and Bridge Party. Guests find them entertaining during the party and then take them home to start a collection of favors.

LOOK BEFORE YOU LEAP. Someone with great human understanding has invented "Peep Hole" door knockers, so you can look over strange visitors before deciding to let them in. They are as solidly constructed as an iron bar, and safe, because the three-inch door opens only from the inside. Available in Old English, Colonial, and Puritan styles in brass.

SHARP AS A RAZOR. The Edgem sharpener (special alloy steel in a Bakelite handle) will keep even the scissors that Mary Jane uses to cut paper dolls sharp and efficient.

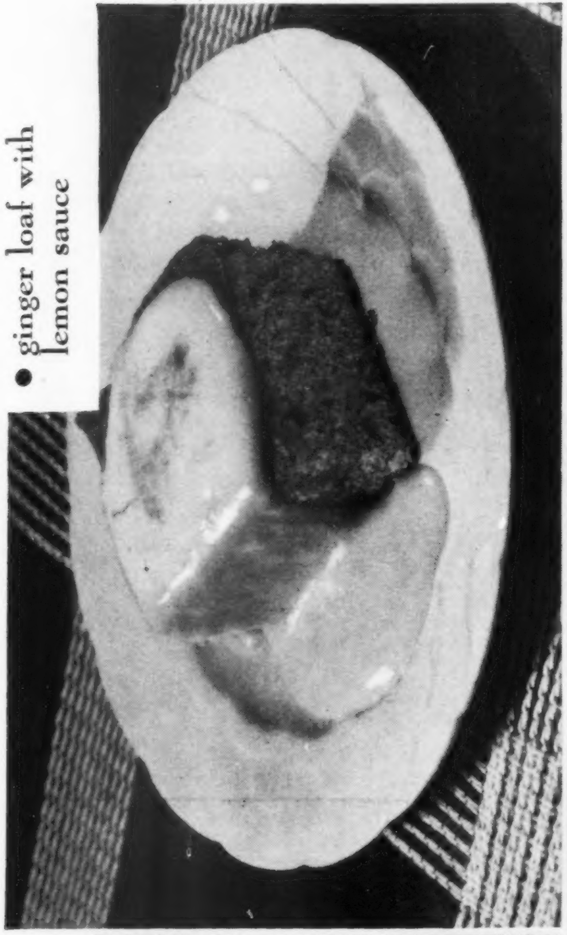
JIFFY SEALS. Simply moisten a seal in water, press it over any shape jar, slip a rubber band on the edges, and it's all over!

GAY SHELVES. Whether it's Johnny's toy chest or pantry shelves that seem dull, these new edgings will do the trick.

Ginger for snap

No matter how simple your tastes, you'll find that ginger has what makes a plain meal an adventure fit for a gourmet. Try it for anything from spicy fruit cocktails to steaming hot scones—you'll like it—HELEN S. NEAL

Recipe printed on back of each photograph

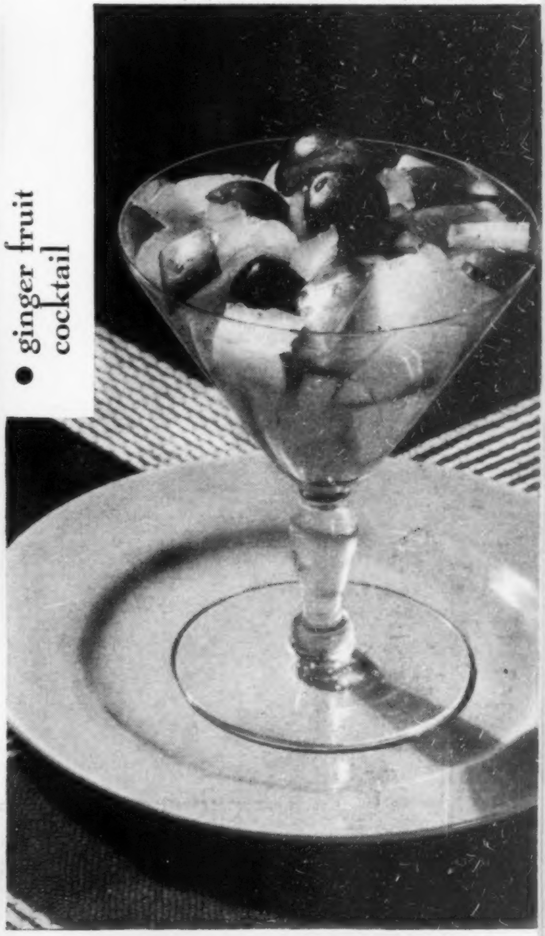


● ginger loaf with lemon sauce

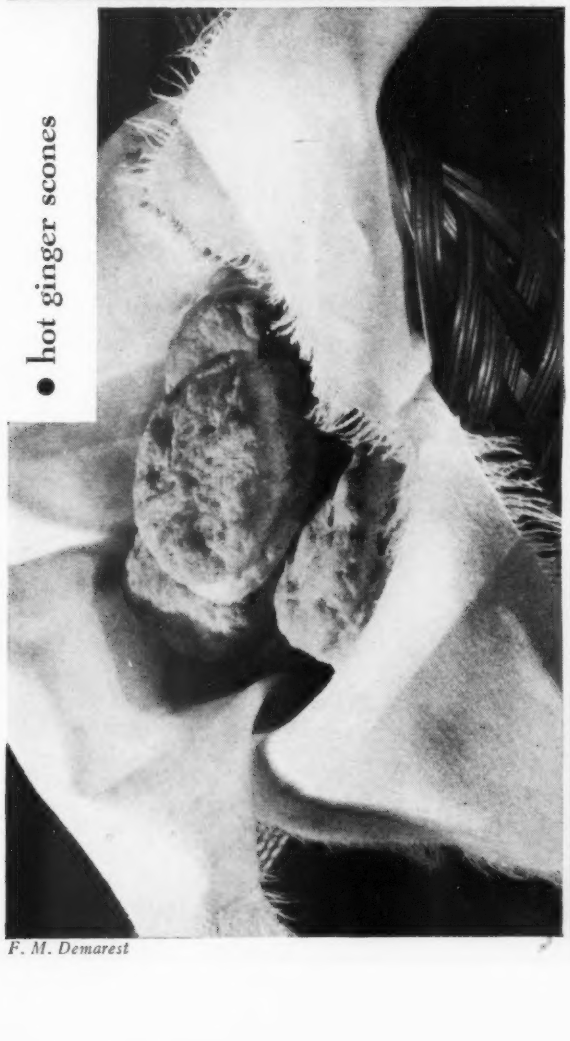
Recipe printed on back of each photograph

● steamed ginger bread

Recipe printed on back of each photograph

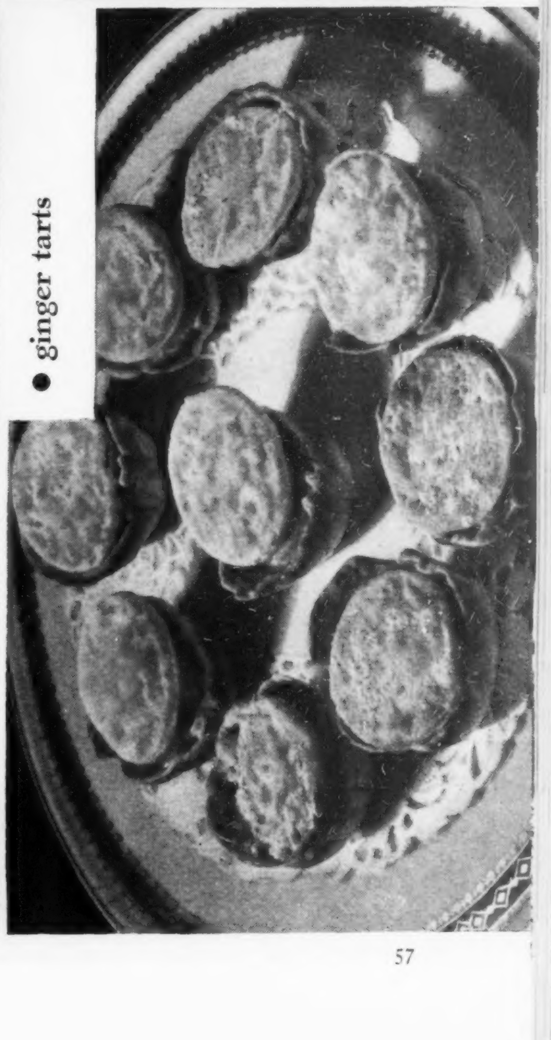


● ginger fruit cocktail



● hot ginger scones

● ginger tea cakes



● ginger tarts

F. M. Demarest

Ginger for snap

Ginger—pungent, aromatic, and stimulating—has the tang that livens a quiet meal. For cooking, buy it as a ground spice, a dry preserved ginger, or in the form that comes preserved in syrup—HELEN S. NEAL

Photograph printed on back of each recipe

Photograph printed on back of each recipe

Photograph printed on back of each recipe

• ginger tarts

Pie pastry for one-crust pie
1 cup confectioners' sugar
⅓ cup butter
¼ cup preserved ginger, cut fine

Fit pie pastry into tiny muffin tins. Also cut little pastry rounds to use as covers for the pastry shells and place on a cooky sheet. Bake shells and covers in a hot oven (450° F.) for 20 minutes. When done, fill shells with the ginger which has been blended with the sugar and butter. Put a pastry cover on each shell and, if you wish, sprinkle with confectioners' sugar.

Tested by THE AMERICAN HOME

• ginger fruit cocktail

Fresh or canned fruit
Preserved ginger or candied ginger

Cut fruit into cubes or other small shapes. Chill thoroughly in the refrigerator. Mix with candied or preserved ginger, cut fine, and serve in cocktail glasses. Cubed apples, skin left on, were used in the fruit cup in the photograph. The cubes were first dipped in orange juice to prevent discoloration.

Tested by THE AMERICAN HOME

• ginger tea cakes

1 recipe pie pastry for two-crust pie
½ cup marmalade
¼ cup sugar
4 tablespoons butter
1 egg, beaten
½ cup flour
¼ teaspoon ground ginger
2 tablespoons chopped, preserved, or candied ginger
Confectioners' sugar

Line about sixteen shallow patty pans with pastry. Or cut rounds of pastry and raise a fluted edge around them. Put a little marmalade in the bottom of each. Blend together the sugar and butter and mix with the beaten egg, flour, ground ginger, and the preserved or candied ginger. Mix until light and put a heaping teaspoon on each little patty shell. Bake in a hot oven (450° F.) from 15 to 20 minutes. Cool and sprinkle with confectioners' sugar. These are delicious for afternoon tea, but are also appropriate for the dessert course when served with fresh or canned fruit.

Tested by THE AMERICAN HOME

• steamed ginger bread

1½ cups flour
1 cup chopped suet
½ tablespoon ground ginger
½ teaspoon baking powder
⅛ teaspoon salt
½ cup molasses
¼ cup milk

Sift together the flour, ginger, baking powder, and salt. Stir in the chopped suet and molasses mixed with the milk. Steam two hours. This is delicious served as afternoon or evening refreshments accompanied by hot tea or coffee. It may also be used as a dessert, served with a thin custard sauce.

Tested by THE AMERICAN HOME

• hot ginger scones

2 teaspoons ground ginger
2 cups flour
4 teaspoons baking powder
⅛ teaspoon salt
2 tablespoons shortening
2 tablespoons corn syrup
¾ cup milk

Sift together the ginger, flour, baking powder, and salt. Cut in the shortening, then stir in lightly the milk which has been mixed with the corn syrup. Roll out ½ inch thick, cut in rounds, and bake in a quick oven (425° F.) for about 15 minutes.

Tested by THE AMERICAN HOME

• ginger loaf with lemon sauce

4 cups flour
1 teaspoon soda
1 teaspoon cream of tartar
1½ teaspoons ground ginger
½ cup candied ginger, cut fine
¾ cup sugar
1 cup shortening
2 eggs
1 cup corn syrup or light molasses
½ cup milk

2 teaspoons cornstarch
1 cup sugar
2 cups boiling water
Juice and grated rind, 1 lemon
2 tablespoons butter

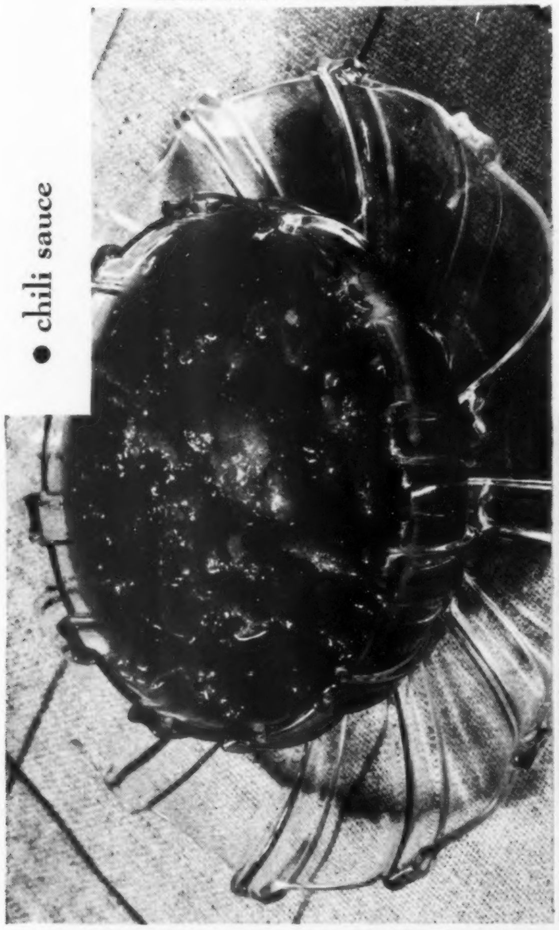
Sift flour with soda, cream of tartar, and ground ginger. Cream sugar and shortening and blend in the candied ginger. Beat eggs and add syrup and milk. Add to the creamed sugar and shortening mixture alternately with the sifted dry ingredients and mix well. Pour into a large greased pan and bake in a moderate oven (350° F.) for about 1½ hours. Serve with lemon sauce, made by combining lemon juice, grated rind and boiling water with the sugar and cornstarch. Add butter just before serving.

Tested by THE AMERICAN HOME

Pickles for every taste

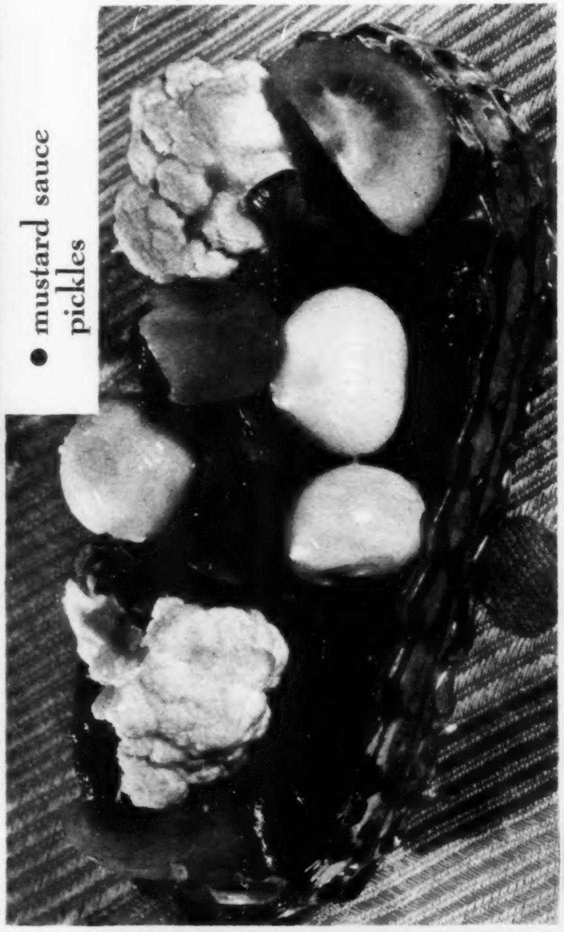
Experiment with pickles if you want variety on your pantry shelves. These recipes (particularly the chili sauce and the dry mustard pickles) should give even your grandmother's favorite concoctions some real competition—HAZEL A. PRICE

Recipe printed on back of each photograph



● chili sauce

Recipe printed on back of each photograph

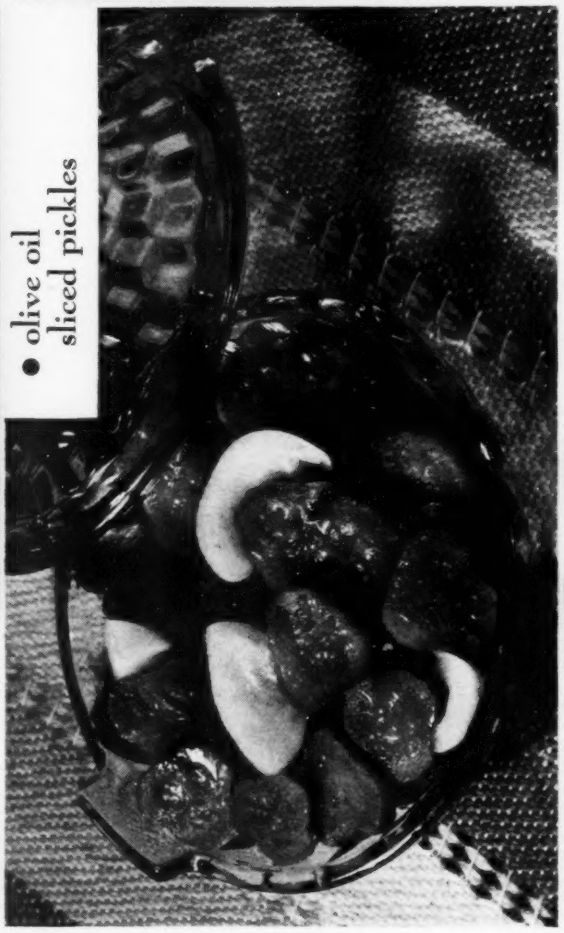


● mustard sauce pickles

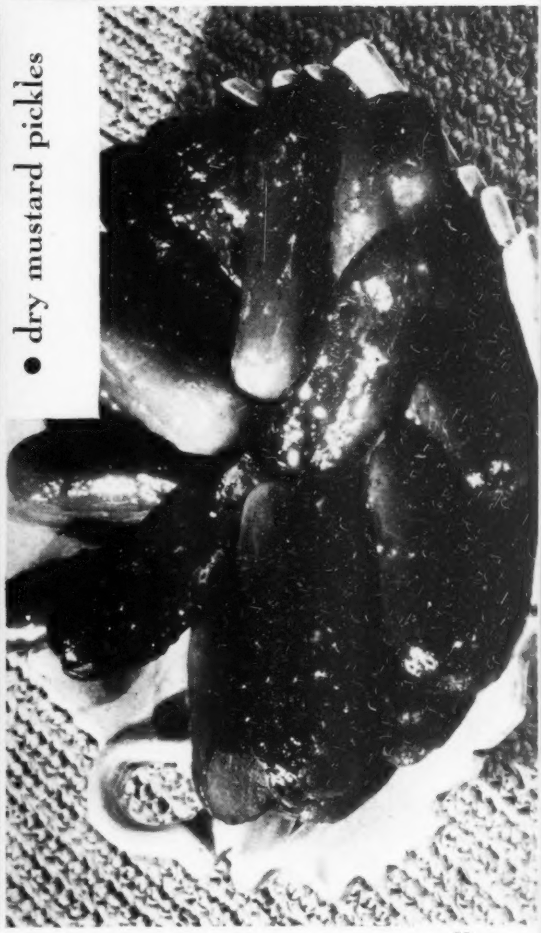
Recipe printed on back of each photograph

● mild dill pickles

● beet pickles



● olive oil sliced pickles



● dry mustard pickles

F. M. Demarest

Pickles for every taste

Whether it's a picnic supper or a formal dinner for eight, the pickles and spicy mixtures are often what your guests remember longest. Keep some on hand, and you won't have any problems when unexpected company arrives on plain-dinner night—HAZEL A. PRICE

Photograph printed on back of each recipe

Photograph printed on back of each recipe

Photograph printed on back of each recipe

• dry mustard pickles

Pack cucumbers into sterilized jars. Mix together the mustard, salt, sugar, and vinegar; pour over the cucumbers and seal.

½ gallon small cucumbers
2 tablespoons dry mustard
2 tablespoons coarse salt
2 tablespoons sugar
1 quart vinegar

Tested by The American Home

• mild dill pickles

Soak the cucumbers in cold water overnight. Drain and pack into sterilized jars. Mix sugar, salt, dill, and vinegar, and pour over the cucumbers. Then seal.

½ gallon medium size cucumbers
6 tablespoons sugar
2 tablespoons coarse salt
2 sprigs fresh dill, or
1½ tablespoons dill seed
1 quart vinegar or enough to cover pickles

Tested by The American Home

• olive oil sliced pickles

Slice the cucumbers and onions. Combine them with the other ingredients and put in a large stone jar or crock. Stir up from the bottom of the jar for three successive mornings. Seal in sterilized jars.

100 medium size cucumbers
12 medium size onions
½ pound black mustard seed
½ pound white mustard seed
2 tablespoons celery seed
1 cup olive oil
5 quarts vinegar
1 cup salt

Tested by The American Home

• mustard sauce pickles

Make a brine of the water and salt. Soak the vegetables in this for 24 hours. Scald same liquid; then drain. Make a paste of the flour, mustard, sugar, and tumeric, and add enough vinegar to make a smooth paste. Stir into the remainder of the vinegar (heated to boiling point) and cook until smooth and thick. Add the vegetables. Heat through and seal in a sterilized jar.

1 quart small cucumbers
1 quart green tomatoes, cut in pieces
1 quart small onions
1 large cauliflower, divided into small portions
6 or 8 green peppers, cut in pieces
1 quart water
1 pint salt
1 cup flour
6 tablespoons mustard
1½ cups sugar
1 tablespoon tumeric
2 quarts vinegar

Tested by The American Home

• beet pickles

Bring vinegar, sugar, and water to a boil. Add the beets and bring to the boiling point. Seal in sterilized jars. It is a good idea to use beets of different size from time to time, sorting them so that one time you can serve sliced pickles, another time tiny ones, and sometimes quartered ones. Variety is an appetizer in itself.

5 quarts small beets, cooked with 3-inch stems
3 cups vinegar
3 cups sugar
3 cups water in which beets were cooked

Tested by The American Home

• chili sauce

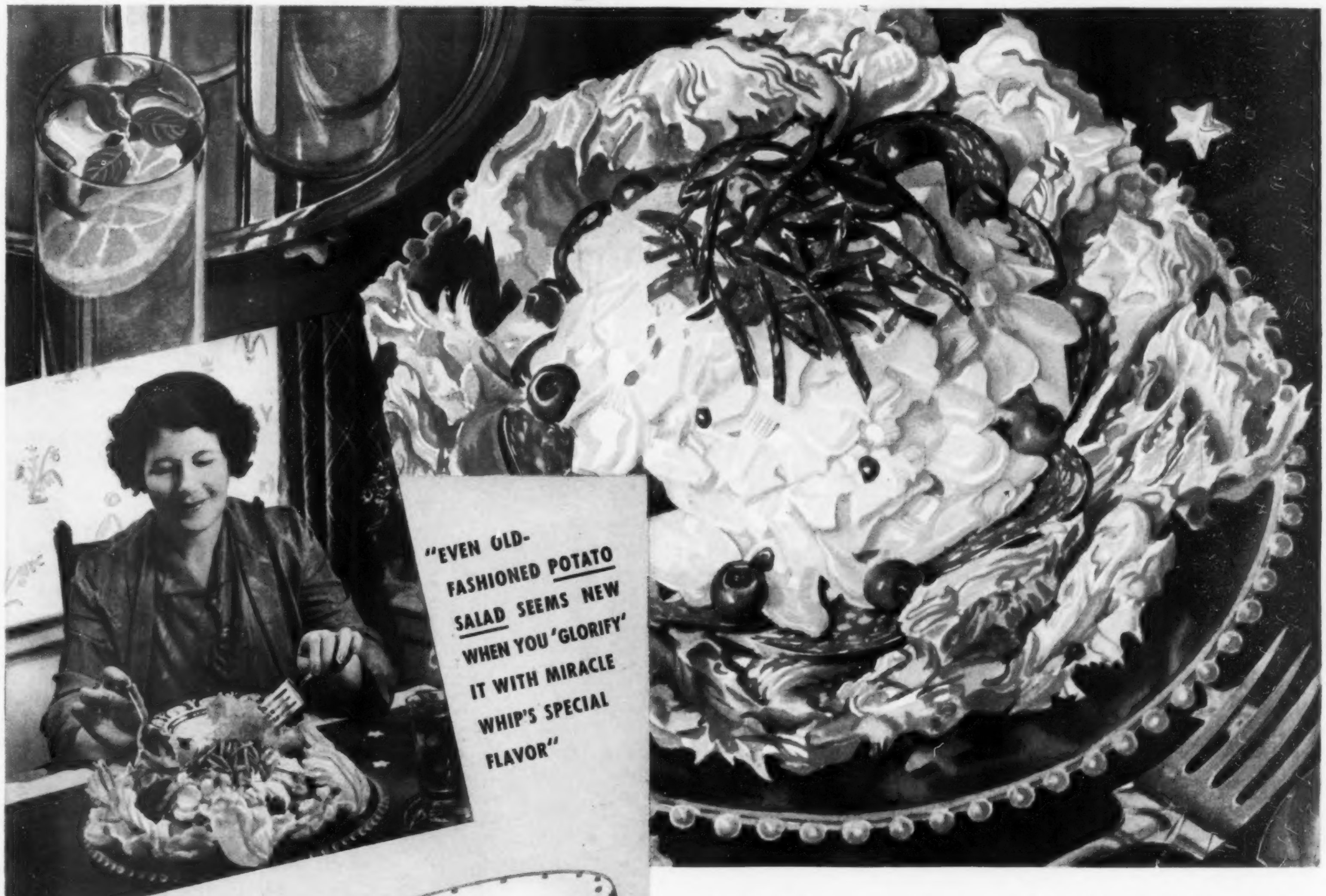
Simmer all ingredients together for two hours. Pack in sterilized jars and seal. This recipe will yield approximately three quarts of chili sauce.

1 peck ripe tomatoes
4 large green peppers
6 small onions
2 teaspoons cinnamon
2 teaspoons cloves
2 teaspoons salt
2 cups brown sugar
5 cups vinegar

Tested by The American Home

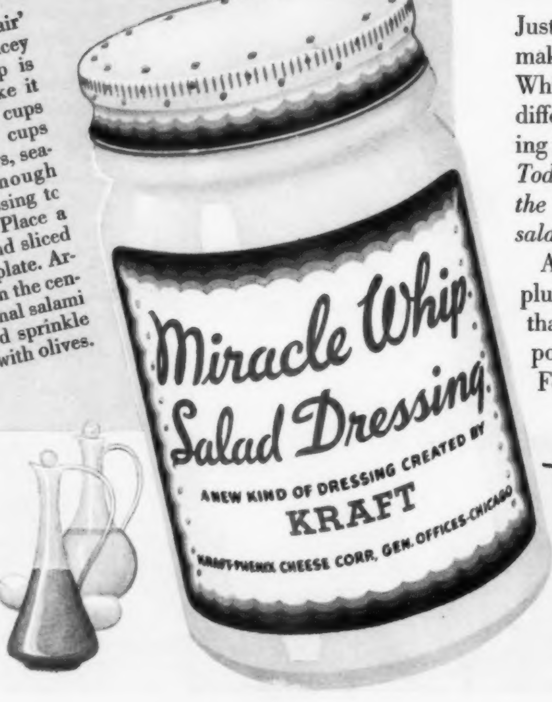
It makes the simplest salad taste exciting

. . . THIS EXCLUSIVE MIRACLE WHIP FLAVOR WITH THE DELICATE ZEST



"EVEN OLD-FASHIONED POTATO SALAD SEEMS NEW WHEN YOU 'GLORIFY' IT WITH MIRACLE WHIP'S SPECIAL FLAVOR"

"There's no excuse for 'just fair' potato salad!" says Mrs. Chauncey Blair. "Using Miracle Whip is such a simple trick to make it delicious!" Toss together 4 cups cooked, sliced potatoes, 2 cups diced celery, ¼ cup capers, seasonings to taste, and enough Miracle Whip Salad Dressing to moisten the salad well. Place a border of crisp lettuce and sliced salami around a large plate. Arrange the potato salad on the center of plate. Cut additional salami into Julienne strips and sprinkle over the top. Garnish with olives.


Miracle Whip
Salad Dressing
A NEW KIND OF DRESSING CREATED BY
KRAFT
KRAFT-PHENIX CHEESE CORP. GEN. OFFICES-CHICAGO

Just a few short years ago homemakers first heard of Miracle Whip—sampled its flavor, so different from *any* salad dressing flavor they had ever tasted! *Today, Miracle Whip outsells the next 20 leading brands of salad dressing combined!*

A new, refreshing piquancy, plus a new, fluffy consistency—that's what won nation-wide popularity for Miracle Whip! For this wholly *different* kind of dressing is a skillful combination of mayonnaise and old-fashioned boiled dressing. A combination *made possible* by Kraft's exclusive Miracle Whip beater.

In this beater, costly ingredients are whipped so that *all* their goodness blends into one superb flavor.

Give your salads the delicious "flavor lift" Miracle Whip offers! Get this popular dressing today.

The same costly ingredients you yourself would use!

Kraft's recipe for Miracle Whip calls for more . . . *far more* . . . of the costly ingredients than are ordinarily used in ready-made salad dressings. Good cooks instantly *taste* the difference between Miracle Whip and "bargain" dressings in which these expensive ingredients are deliberately skimped. That's one of the reasons why Miracle Whip has won an honored place on the tables of the most discriminating homemakers.

HEAR THE KRAFT MUSIC HALL PROGRAM. Bob Burns and famous guest stars! Thursday nights, NBC Stations.

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Now in linoleum, the fresh, natural hues decorators want for modern rooms! The cool green of deep sea water . . . blue of sunny skies . . . muted pastels, like flowers drenched in dew...These and many more lovely colors are exclusive with modern Adhesive Sealex Linoleum!

Adhesive Sealex is the revolutionary, patented* linoleum, remember, that comes with an exceptionally strong, factory-applied adhesive on the back. It saves you *as much as 20%* in the installed cost of a genuine inlaid linoleum floor.

You get years of greater satisfaction with Adhesive Sealex, too. Applied directly to the floor, it makes a stronger installation. Grips so tightly, it prevents buckles and bulges where wear begins! And its lustrous surface is *sealed* against dirt and germs. Smooth, sanitary, stainproof—easier to clean!

Beauty, style, economy and service all point to Adhesive Sealex Linoleum for that new floor! Visit your dealer today!

*Patent No. 1,970,503

Colorful simplicity is the keynote of the modern tile design chosen for the kitchen on the left. Note the clear, fresh colors. It is "Gala," No. A7500. On the walls "Marble White" Sealex Wall Linoleum, No. 7977. This is set off with a contrasting base-line strip of Emerald Green, No. 1128. Counter tops and splash-back are also Emerald Green Sealex Linoleum.

CONGOLEUM-NAIRN INC., KEARNY, N. J.

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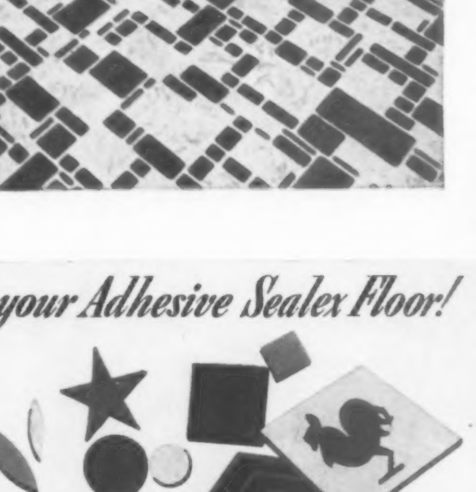
Now you can *design your own* Adhesive Sealex floors with the new, ready-cut Sealex Insets, Feature Strips and Borders. Have them installed, too, for surprisingly little. Actually, custom-effects at ready-made prices! Here's a thrilling new decorating idea. See the host of fascinating, ready-cut Sealex Insets, etc. at your dealer's, today.



"I want my children to have the best . . ."

[Continued from page 51]

The new education in Mrs. Cosgrave's opinion will not aim to be "fun" to the children in the sense of the excitability of playtime or the lavishness of a party. It will seek to be interesting in a tranquil sense. Soothe the nerves, discipline the mind, and expand the inner ego. Of recent years in many schools, you could see education's concern with physical freedom, letting the children wander around the room, talk to their schoolmates, and be free from restrictions. You could also see its concern with mental freedom, letting them choose their own subjects, select their own books, and alter their decisions at will. And where you didn't see it in schools, you often felt the trend in the behavior of the children at home.

"In my opinion, over-use of this method destroys concentration and character-building. If you encourage, even require, your children to hold to a single purpose, they will develop an inner freedom. This means an independence much more important than outer freedom because outer freedom only leads to their rushing about the town in search of excitement.

"Life, itself, is a discipline. Every technique is a discipline—from learning to sing for the Metropolitan to learning to drive a car. We should not be afraid of it at home or in school.

"If you are going to educate your children for today, and all that today means in increased problems of a harder goal against the handicap of more trying circumstances, then you have got to concentrate on building character and on appreciating work in your children's development.

"Obedience, that old-fashioned virtue," Mrs. Cosgrave said, "will have to have a new value. Parents will have to coöperate with teachers in the idea that learning how to spell 'turkey' or how to do long division is a worthwhile accomplishment in itself. All achievement is, in the last analysis, fun. How can we possibly forget that?

"I think it is there more than anywhere else that parents and teachers can go wrong. We no longer bake our own bread, make our own clothes, saw our own wood, or grow our own vegetables in our city life. Most children don't get any practical idea of accomplishment and its natural joy. The ordinary little achievements that life used to offer are gone; they have become as artificial as they used to be natural. Let us get back to the ideal that they taught. Let's not have education for education's sake, but education for accomplishment."

The young mother's reaction to Mrs. Cosgrave's counsel was splendid. She replied with enthusiastic determination:

"I'm going to visit my children's school in the morning. I want really to see for myself if they're getting solid work to do and if they are concentrating. And I am going to start on a more regular routine for them at home—I am sure I can follow out your suggestions."

What should she do to educate her children for today—and tomorrow? She was answering the question herself. She was already outlining her plans. Besides seeing that they received genuine tasks to do at school, she was going to try to give them the idea of accomplishment at home. Let them value the jobs of shoveling the snow off the walks, dusting their rooms, running errands, or whatever occurred to her that could be made into a small achievement—and she would make much of it by her attitude of praise and pleasure. "Something done, something won."

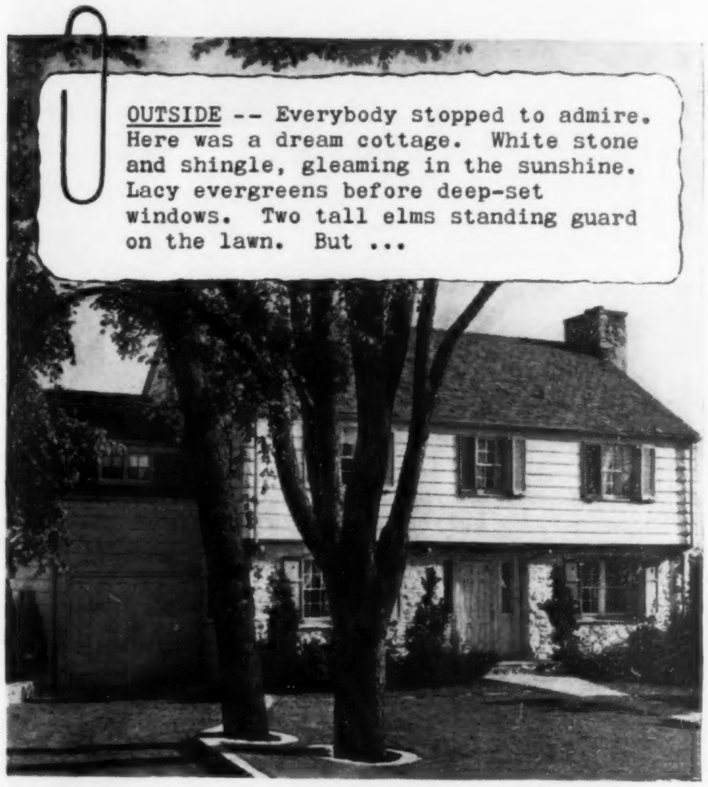
She would try to have her children more obedient. Half of the time she gave them an order, she didn't see to it that they actually carried out what she said. It had been an easy habit to slip into. Of course, in order to maintain the right sort of quiet insistence in her discipline, she would have actually to value the idea of work herself!

"I'll have to do a little reforming," she said with a smile. "I'll have to be a work-appreciating example—and not be running out a lot to the movies or to play bridge!"

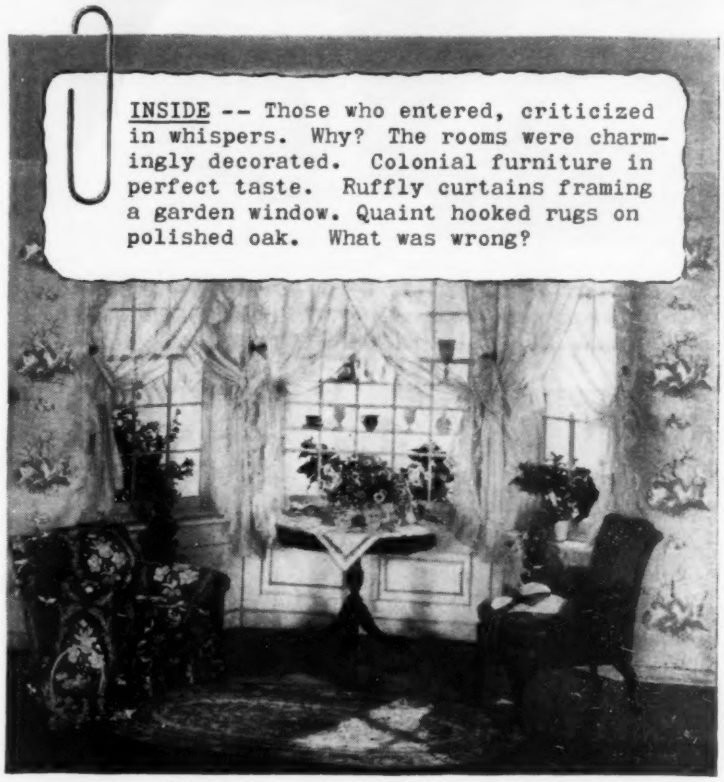
She hadn't thought the children's homework was more than moderately important. But now she would regard homework as sacred and insist upon its being finished. Quiet, regularity, and steady progress in all work would be given a place in her home to which she hadn't paid much attention recently—and she was sure that her own radio was going too constantly! She would see that it was turned off when the children were in the house.

To bring about this change, she saw that as a parent she would have to keep a more interestedly surveying eye on her children's lives. If bedtime was eight o'clock, then that must mean eight o'clock every night. To accomplish such regularity would call for self-discipline of herself as well as discipline for her children. But she would willingly and gladly accept this charge.

"Responsibility in itself is an education for them," Mrs. Cosgrave put in.



OUTSIDE -- Everybody stopped to admire. Here was a dream cottage. White stone and shingle, gleaming in the sunshine. Lacy evergreens before deep-set windows. Two tall elms standing guard on the lawn. But ...



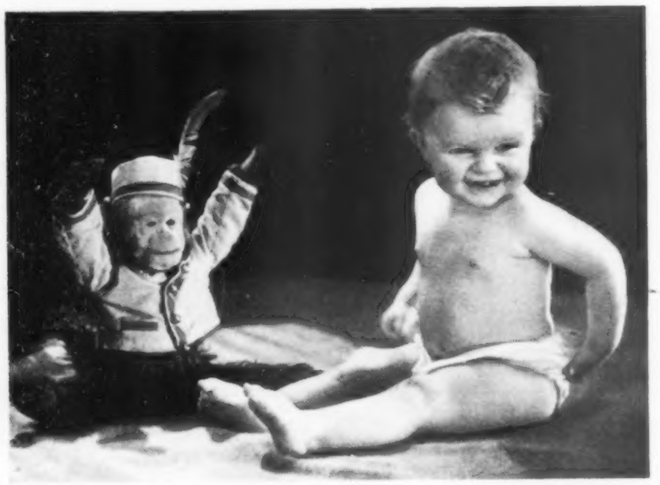
INSIDE -- Those who entered, criticized in whispers. Why? The rooms were charmingly decorated. Colonial furniture in perfect taste. Ruffly curtains framing a garden window. Quaint hooked rugs on polished oak. What was wrong?

ANSWER -- The loveliest home can be spoiled by tattle-tale gray in your curtains and linens -- that dingy color that shows they aren't really clean. So why use lazy soaps? Change to Fels-Naptha! It brings you richer golden soap and lots of naptha to loosen dirt thoroughly and wash it all away. It makes linens, curtains and all your clothes so beautifully fresh and snowy they add charm to your home instead of spoiling it. Get a few golden bars today and see how easy it is to ...

Banish "tattle-tale gray" with Fels-Naptha Soap!

• *"Gee, I'd hate to be you, Jocko! That get-up may be peachy for collecting pennies, but you couldn't hire me to wear it on a day like this. The prickly heat breaks right out on my neck to think of it!"*

• *"Boss won't let you take it off, eh? Well, that's life... many's the time I've been rammed into a sweater. Only thing makes 'em bearable is Johnson's Baby Powder. It always fixes those prickles!"*



• *"I could stand a sprinkle myself—this carpet's itchy... How about some soft silky Johnson's Baby Powder for both of us, Mother? Jocko and I will do our best monkey-shines for you!"*

Johnson's
Baby
Powder
Borated Talcum

• *"It's just like satin—that Johnson's Baby Powder! Keeps my skin like satin, too!"... Healthy skin is the best protection against skin infections, Mothers! Johnson's Baby Powder helps prevent prickly heat, rashes and chafes. It's made only of finest Italian talc — no orris-root. Try Johnson's Baby Soap and Baby Cream, too. And for tiny babies, Johnson's Baby Oil—stainless, fragrant, cannot turn rancid.*

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NEW BRUNSWICK NEW JERSEY

The young mother would take a much keener interest in the actual curricula of the schools that her children attended and would watch, herself, how the subjects were taught. If she thought the teacher was fostering laxness, she would not hesitate to criticize. She intended to find out from the principals what subjects were taught in the upper grades and if these subjects were practical and concentrated. She agreed with Mrs. Cosgrave that her children should begin on their life work early and that as a mother she must see that the tools for them to use were ready.

With such determination and with the reorganization of her way of thinking, this young mother was truly prepared to follow Mrs. Cosgrave's counsel of "not education for education's sake, but education for accomplishment," and was beginning, herself, to accomplish that moment. Every mother can do the same thing—she can, by her interest in schoolwork, in discipline, and in quiet routine, view present conditions realistically. She can, with dignity, accept the new responsibility of "educating your child for today."

Colonial in Richmond, Va.

[*Continued from page 27*]

it has the wholesome characteristics of too many ages to be outmoded. And, although it is admirably suited to its present location, the historically rich city of Richmond, Virginia, it is such a truly American house that it undoubtedly will acclimatize itself easily to any typical American community.

Whether one first sees the little house, built of mellow old brick, from the front with its smooth lawn, apple tree, brick walk, and dignified entrance bounded hospitably on one side by a quaint old carriage lamp; or whether one comes upon it unexpectedly from the rear and first observes its white picket fence enclosing the back garden, and its cool, flagstoned terrace partially shut off from public view by the lilacs, crapemyrtles, dogwood trees, and flowering shrubs planted around the little fence, one is immediately aware of its definite charm and of the consistent good taste used by the owners and architect.

Inside, one has still further evidence of unerring judgment. What a knack these people had for picking up rare old pieces that add just the right touch of historical authenticity to their Early American home! Already the carriage lamp has been mentioned, but this is by no means all. There is the fine old brass knocker on the front door, the big brass locks, undeniably antiques, on the hall doors, the lovely old mantel over the huge fireplace in the living room, and the old hinges on the white gate at the back garden.

In addition to these actual relics, the atmosphere of Early America has been re-created by such features as the very wide boards in the hardwood floors downstairs, and by the chair rail in the dining room. The conservative wallpaper downstairs in the hall and dining room is Duckberry shell Colonial pattern, in the living room rose beige; and the woodwork throughout the lower floor is an interesting putty color with a slight suggestion of shell pink. Draw curtains, the color of the woodwork, lend a quiet dignity to the front rooms, letting in the sunshine or cozily shutting out the dark at will.

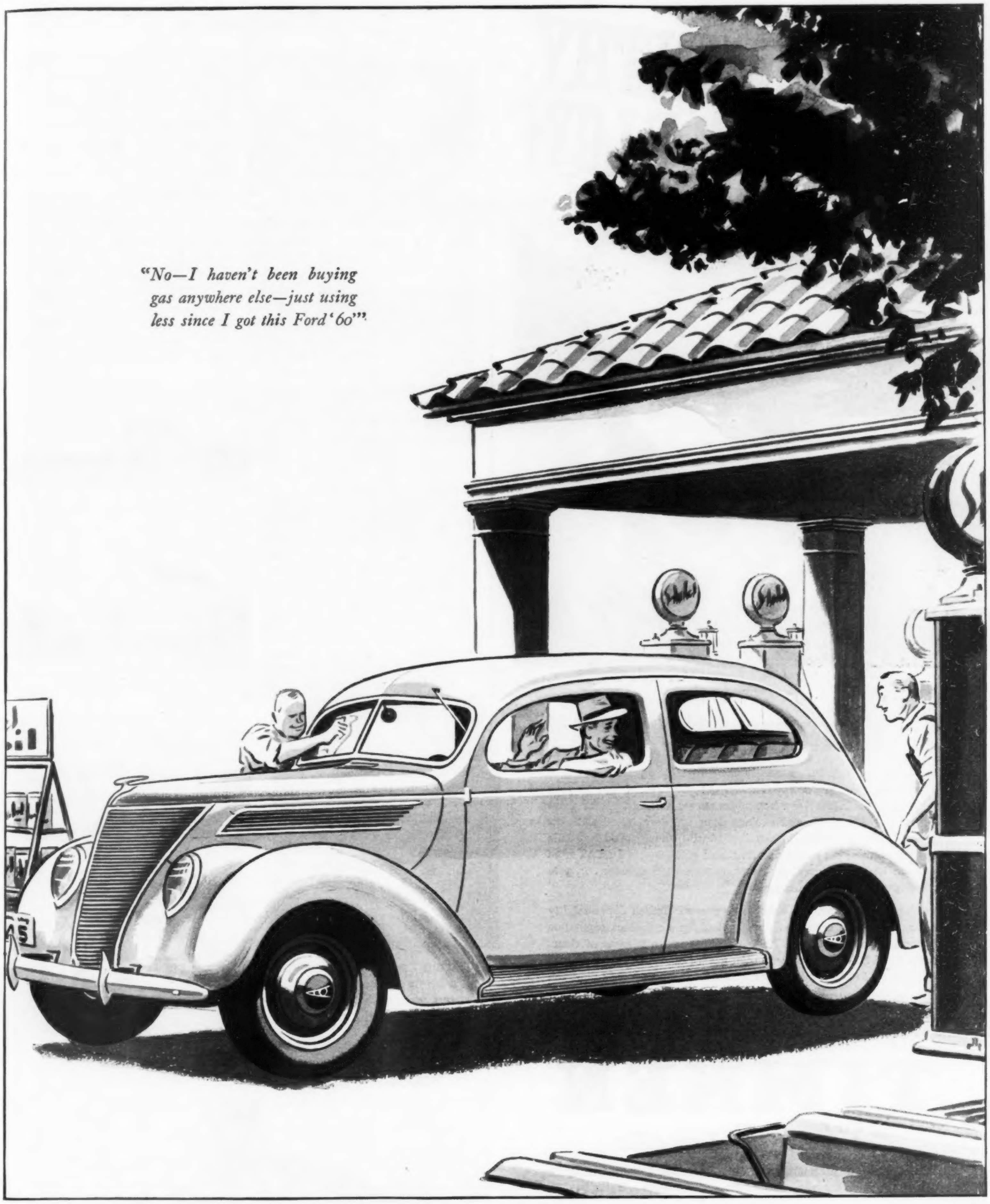
Quaint, old-fashioned flowered wallpaper covers the walls of two of the bedrooms. The third, over the garage, has a dainty red polka dot paper that blends in spirit charmingly with the antique maple furniture, oval hooked rugs, and crisp, ruffled curtains.

The oil furnace in the commodious, dustless basement; encased radiators in the six rooms and the halls bespeak not only luxurious convenience and an easily regulated temperature, but also cleanliness and added wall space in the rooms. The laundry equipment and servant's lavatory in the basement make for simplified wash days.

The intriguing red and white kitchen, thoroughly electric, is the epitome of modern efficiency from the large, built-in cupboards to the convenient tiled nook for the refrigerator and the countless gadgets that add immeasurably to easy, happy housekeeping.

Another important point, all too frequently neglected in small houses, is the matter of closet space. This little home is certainly not found wanting in this respect. There are six closets upstairs and one down—all roomy and cedar lined: two in the master bedroom with one floor-length mirror, one in each of the other bedrooms; one linen closet and one clothes closet in the upstairs hall, and a coat closet downstairs. Furthermore, the delightful little window seat in the hall upstairs makes a splendid chest for blankets.

All in all, from its slate roof to its spotless basement (easily converted into a game room), from its graceful stairway to its up-to-the-minute kitchen, it is an admirable little house, aware of the past, keenly alive to the present, combining within its spacious compactness a generous feeling of comfort, charm, and character. . . . DORIS CHRISTIE McCOY.


"No—I haven't been buying gas anywhere else—just using less since I got this Ford '60'"

You'll make fewer visits to your favorite filling-station with the new 60-horsepower Ford V-8. Ford cars have always been famous for economy, but the thrifty "60" is tops! . . . Letters from owners report averages of 22 to 27 miles on a gallon of gas and smooth V-8 performance. Test it on the road yourself and see. Best of all, this big car built for small budgets wears the lowest Ford price tag in years! **FORD MOTOR COMPANY**

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OF TIMKEN LIVE HEAT

This winter you'll find it especially easy to enjoy *all* the comforts of automatic oil heat. A genuine Timken Oil Burner—installed in your furnace or boiler in just a few hours—means extra coziness throughout your home, with substantial savings over ordinary burners. That's because Timken's patented chromium steel flame-rim and scientific flame placement give you a *different* kind of heat—LIVE HEAT from the magic *Wall of Flame* that warms up seven times faster . . . gets *all* the warmth from each drop of oil.

More than 140,000 satisfied users have proved Timken dependability and amazingly low operating cost. Backed by a priceless reputation for precision manufacturing, Timken assures you a lifetime of clean, reliable LIVE HEAT! It's easy to own a *Wall of Flame* Timken; terms are as low as $10.48 a month. Some models as low as $7.32 monthly.

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As was and as is

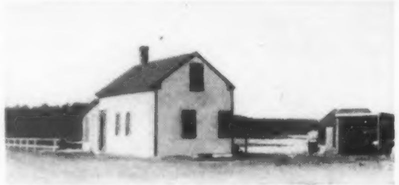
G. AGNES DONHAM

For years there had been a dream but it had changed with those years, and in 1925 it bore little resemblance to the dream of 1911. Then it was of a cabin on a hill, in the pines, a lake at the foot of the hill and a view to the west—with a mountain which the sunset would make into a silhouette against a rosy sky. There were bunchberries in the lot, hermit thrushes, "teacher birds"and "peewees" in the pines, crows in the pasture, and lilies on the lake. We had lived in a place like that and we hunted for years to find another like it which money could buy, but while all sorts of possibilities were seen in those years of fruitless hunting, nothing was quite up to specifications, and each time we sorrowfully concluded that dreams never come true.

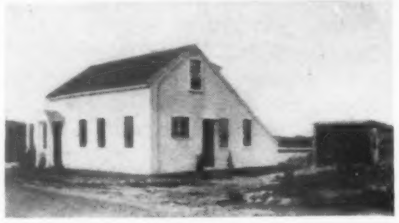
Gradually, because of different conditions of health and family plans, the dream changed. Water, trees, and the view still held their places, but mountains gave way to sand dunes. It was Cape Cod which now received attention, and many a trail to the Cape ponds was followed, with hope leading us on, by disappointment.

The regular Saturday evening perusal of the Real Estate columns during a period of fourteen years had brought no success. The advertisements described what we wanted but the properties did not bear sufficient likeness to the descriptions to tempt us to purchase. At last, in November 1925, we read: "Seven-room cottage, situated in beautiful Cape Cod village, 194′ frontage on salt water—macadam road on one side, good garage, winter or summer residence. Terms——."

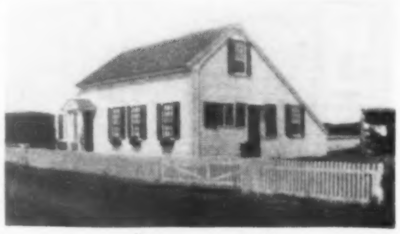
That promised something. To be sure, second thought assured us that a fourteen-year-old dream could not possibly come true, and it was useless to write—but we did—for hope springs eternal in the heart of a real house hunter when he reads a promising advertisement. The answer was favorable; the location promised well; the trip seemed worth while. Other discouraging journeys were forgotten or ignored. This time, though, *might* be *the* time—and it was. Again an agent had promised what he didn't have. The salt water frontage was a tidal river. The macadam road stopped just before it reached the house. The good garage was a patchwork of old boards and planks, some of them taken from the wooden



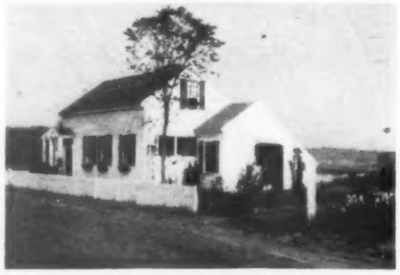
In 1925 when purchased



August, 1926

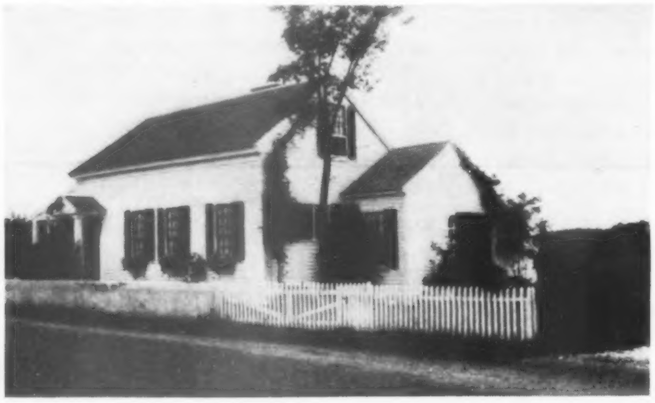


August, 1928



Summer, 1931

Summer, 1935



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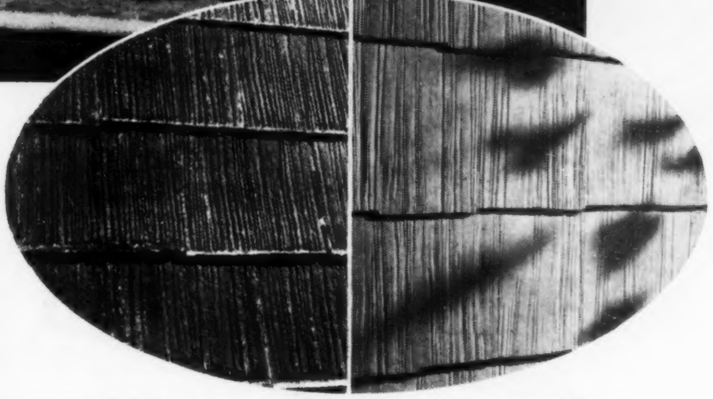

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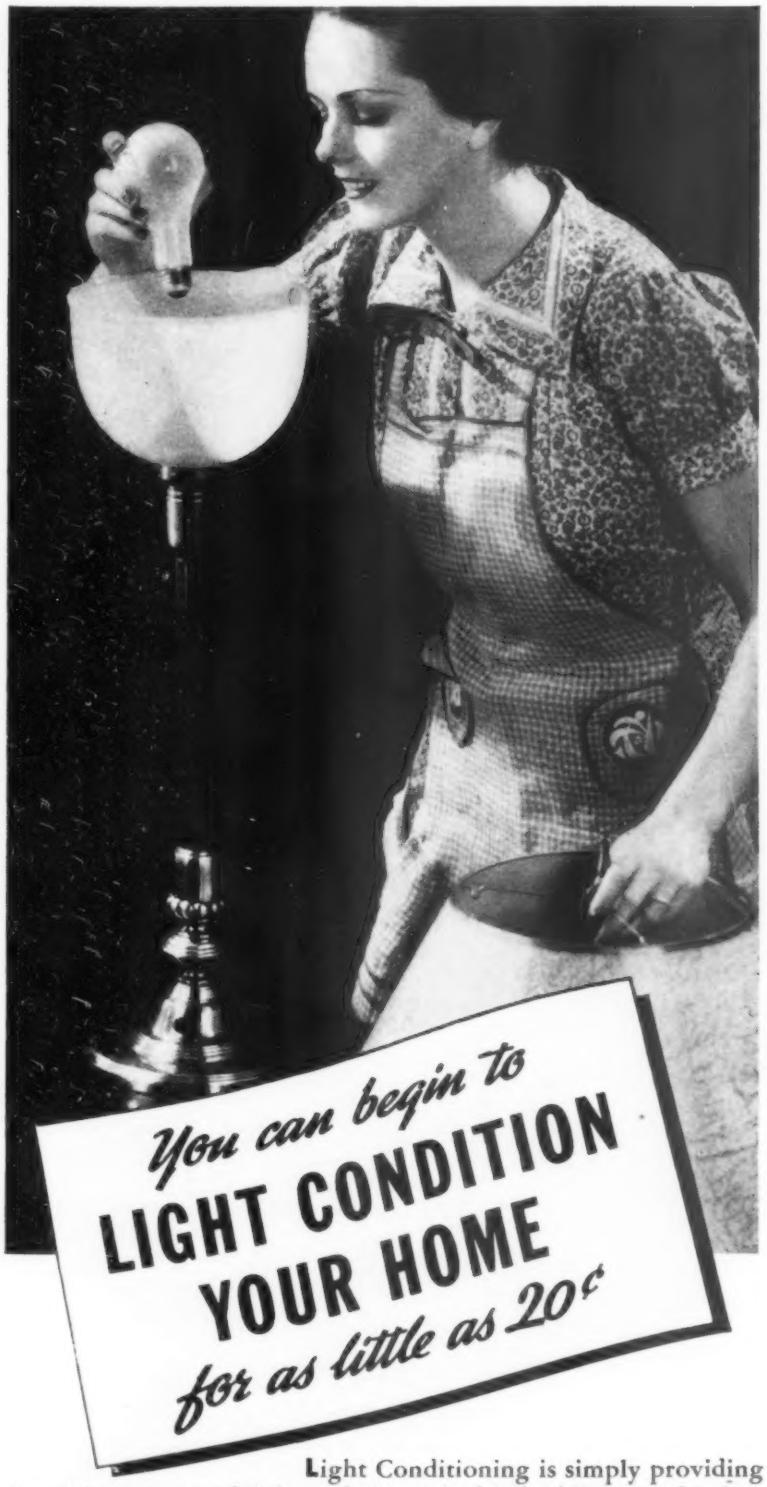

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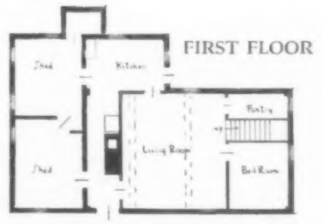
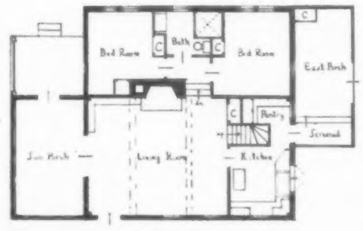
FIRST FLOOR



AS WAS



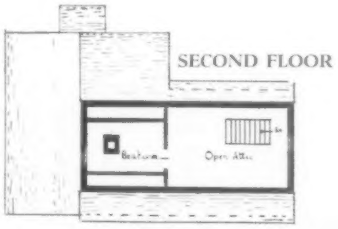
AS IS

bridge when it was replaced by a concrete one in 1913. The only promise fulfilled was that the house was situated in a beautiful Cape Cod village.

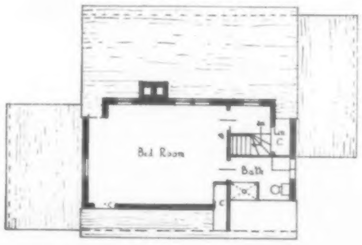
The house was a hovel; the land a sandy waste, not a tree or a shrub, hardly a blade of grass to cheer one's heart or set fire to the imagination. But the river! Opposite the house, the banks were green with pines—the broad cove in front and the lovely red brown marshes running out into the clear water caught and held the attention. Once interested in the river, one could not escape the temptation to see what could be done with the house—and the temptation proved entirely too strong for human discretion.

The long quest for a modest summer place was to end with the purchase of a worn-out, worm-eaten old house, which probably had its beginning as a fisherman's home. An old cellar hole and clumps of lilac bushes led us to believe that the little house originally stood back on the hill but was moved to the edge of the road when it became the Toll House for the upper bridge over the Bass River from South Dennis to South Yarmouth. Certain it is that it was in existence long before 1835, for it was built against four corner posts with vertical boarding; the chimney bricks were a very old type; the side boards and floors were wide; the original nails were hand wrought; and the plaster was even with the baseboards. There are no known records of its building in existence, but many things quite definitely prove its age.

SECOND FLOOR



AS WAS



AS IS

The dilapidated old building had been raised several feet when the new bridge was built in 1913, and the fireplace was left in the sand underneath. Parts of dividing partitions had been taken out and six or seven layers of wallpaper covered the plaster. The seven rooms advertised were really four, with rough partitions to make the seven. Five fine old inside doors were usable and some of the windows might be saved. The floors were uneven, the roof leaking, the porch impossible. The slight foundations had so many times been banked with seaweed that after ten years we still come upon its crinkled fringe when we dig close to the house. The chain of sheds behind the house, one of which was the "good garage," seemed ready to fall.

It was evident that a good roof line was the only thing which would make the house anything but a sore spot on the landscape. The front was too high for the depth of the base, and the roof could not be brought down to the tops of the windows; but if a good roof line could be obtained at the back, the ugly front might, in a measure, be forgotten. An architect was engaged to insure that the roof line should be a success. A long dormer was built at the back in order to obtain head room upstairs. Fortunately it hardly shows from the side and is not in the least objectionable—except to the purist who prefers any discomfort and inconvenience inside the house to a break in the roof line of a "typical Cape Cod house." We compromised with tradition and put in a dormer which gave us space to stand upright, and incidentally—a wonderful view of the river.

The new chimney was built in the center of the house just back of the dormer. Bricks from the old fireplace were dug out of the sand in the cellar and used for facing the fireplace and hearth. They were covered with lime, but a careful application of acid restored them to color.

The house was so small that there was no way of obtaining head room in the new first floor rooms made possible by the extension of the roof. At last the brilliant thought of dropping the floor of the new part of the house below ground-level occurred to one member of the family and the problem was solved.

The most convenient room for use as a kitchen was too small

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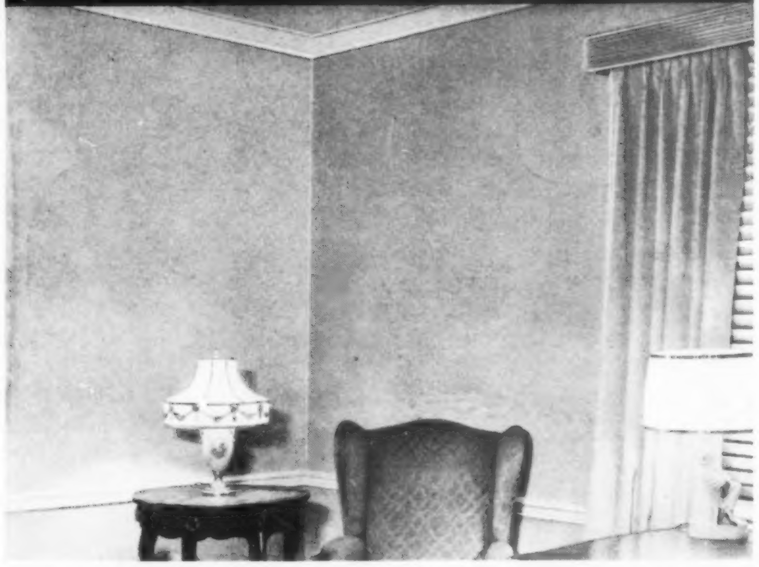

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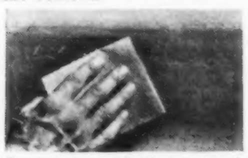

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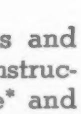

Name...
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for a coal stove and too far from the chimney to make a stove connection possible. An electric range solved the difficulty. Later we added a heater for the water boiler, and delighted in the fact that the house had entire electrical equipment. Since then, an oil heater has been installed in the basement and we revel in a continuous supply of hot water. From the kitchen windows one looks out upon the bend of the river or across the fields to the village. On a sunny morning the sparkling river view makes one prefer to work in the kitchen rather than anywhere else in the house.

The old pantry, divided in the center, became a coat closet opening from the living room, and a storeroom which was connected with the kitchen.

The original porch, largely built from old packing boxes, was impossible. It was torn down and a new one built, with ten windows looking upon the river. There was much discussion over these porch windows. "They should open out," said the architect. "They must open in," said the owner. "They will leak if they open in," said the builders. "Then leak they may. I will not have them so that I must always look through glass when I sit on the porch," replied the owner. "Drop them into the cellar." "It can't be done." "Open them at the side." "As bad as opening them in." "Pull them up inside with ropes," said one, and we did. For one whole summer the porch looked like the deck of a three-masted schooner and was not to be endured. We tried hooks, and felt as if stove pokers were threatening our eyes. At last a loop of cord hanging from the roof catches the end of the fastener and holds the windows high. The builders said they would leak and no windows ever more truly lived up to expectations, but we don't look through glass all the time, and the marsh gains in beauty at the expense of the floor.

The living room was made from the old entry and main room. The house had corner posts and wide beams. These were retained and another beam built in beside the fireplace to center it. At first there was no mantel, but the broad moulding about the fireplace proved so unsuited to the room that the second season it was removed and replaced by a thick plank shelf with simple moulding. The panel over the shelf holds a map of the Cape edged with a plain moulding and antiqued with orange shellac.

A much desired corner cupboard proved so costly that it was given up for a built-in bookcase. The walls and ceiling were left rough and painted like the woodwork, a light creamy coffee shade. The old, wide board floors were patched and painted black, spattered with orange and white, and varnished. The original windows with nine panes in the upper sash and six in the lower were used in this room.

Perhaps the most interesting feature of the new part of the house is the drop of two and one half feet in the floor level. From the living room one goes down three steps into the "Royal Suite." A small hall opens at the left into the river room, with two windows looking toward the west over the open piazza and a double casement opening north.

The large chimney built into this room makes a jog which holds a pine closet, and a bureau or a desk. The house sill at the old floor level provides a six-inch shelf, very convenient for books, pictures, or toilet articles. A narrow bed fits under the casement window and a tiny board closet makes use of an otherwise useless space next to the door.

At the right of the hall is the guest room, with a double casement on the north wall. The old window on the east side is so high that every guest is reminded of a monastery cell, and so the room was named.

Between the two rooms is a bathroom in a space so small as to seem impossible until one steps inside. At one side is a shower and at the other a toilet and basin. An old three and six pane window in this room has an extraordinary pane of glass, so rough as to be almost a bull's eye.

Upstairs the two rooms of the original house which had proved to be only a roughly partitioned attic with an open stairway, became one large bedroom, a bath, and hallway. The old steep stairs now turn on a broad landing and one enters the bedroom at the end with head room furnished by the dormer. A closet on the stairs provides ample space for linen. In the bedroom the clothes closet and the door opening into the eaves closet at the front of the house were made of wide boards. Walls and woodwork in both bedroom and bath are a soft buff. Both bathrooms are fitted with shower baths instead of tubs. This was necessary downstairs and preferred upstairs.

The building of the house taught us much. We should have built another very soon to make use of the knowledge while memory was accurate. These lessons still stand out as we think back. Architects often forget the need for comfortable operating. Hardware dealers are not always equipped to advise practical methods of raising porch windows. Masons need careful watching or they may spoil the appearance of one's pet feature or use lime not properly slaked.

Quality is not always provided by a workman who suspects

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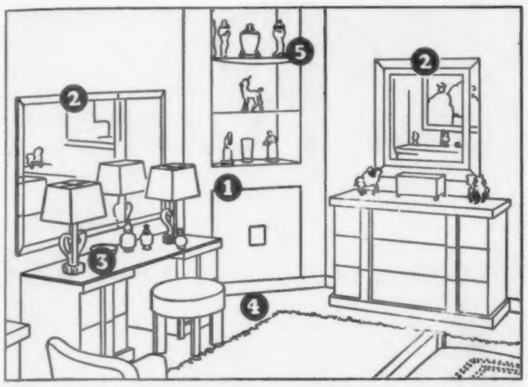

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2 Mirrors can be masculine . . . and help to dress a room. Note the wide bevel on these, their thick glass, and the inset leather band on the one above the chest, making them exactly suitable for the male bedroom.

3 For a smart, good looking table top, this ¾ inch Pittsburgh Heavy Plate Glass fills the bill. Men (and women, too) who sometimes leave lighted cigarettes perching on dresser edges . . . take note!

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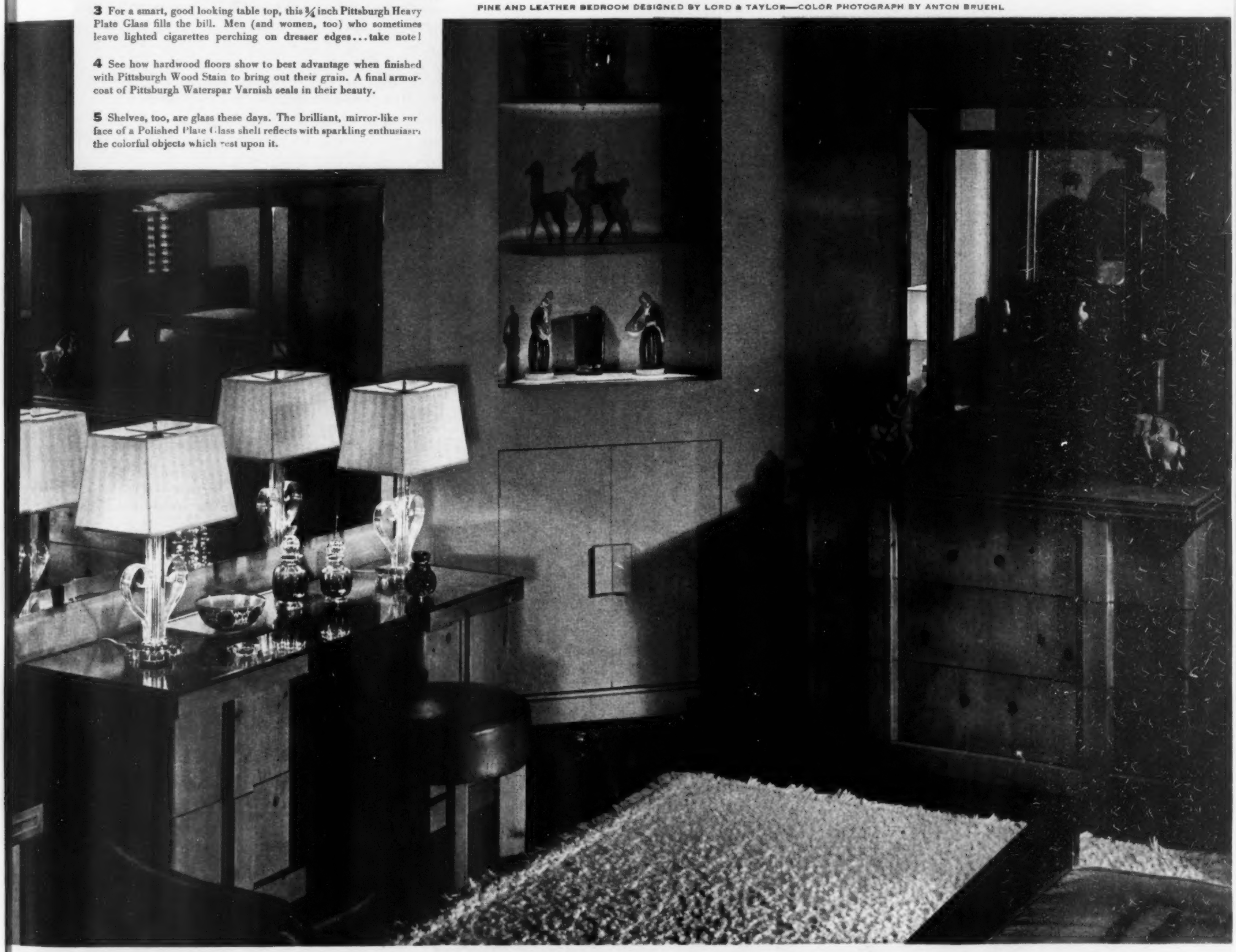

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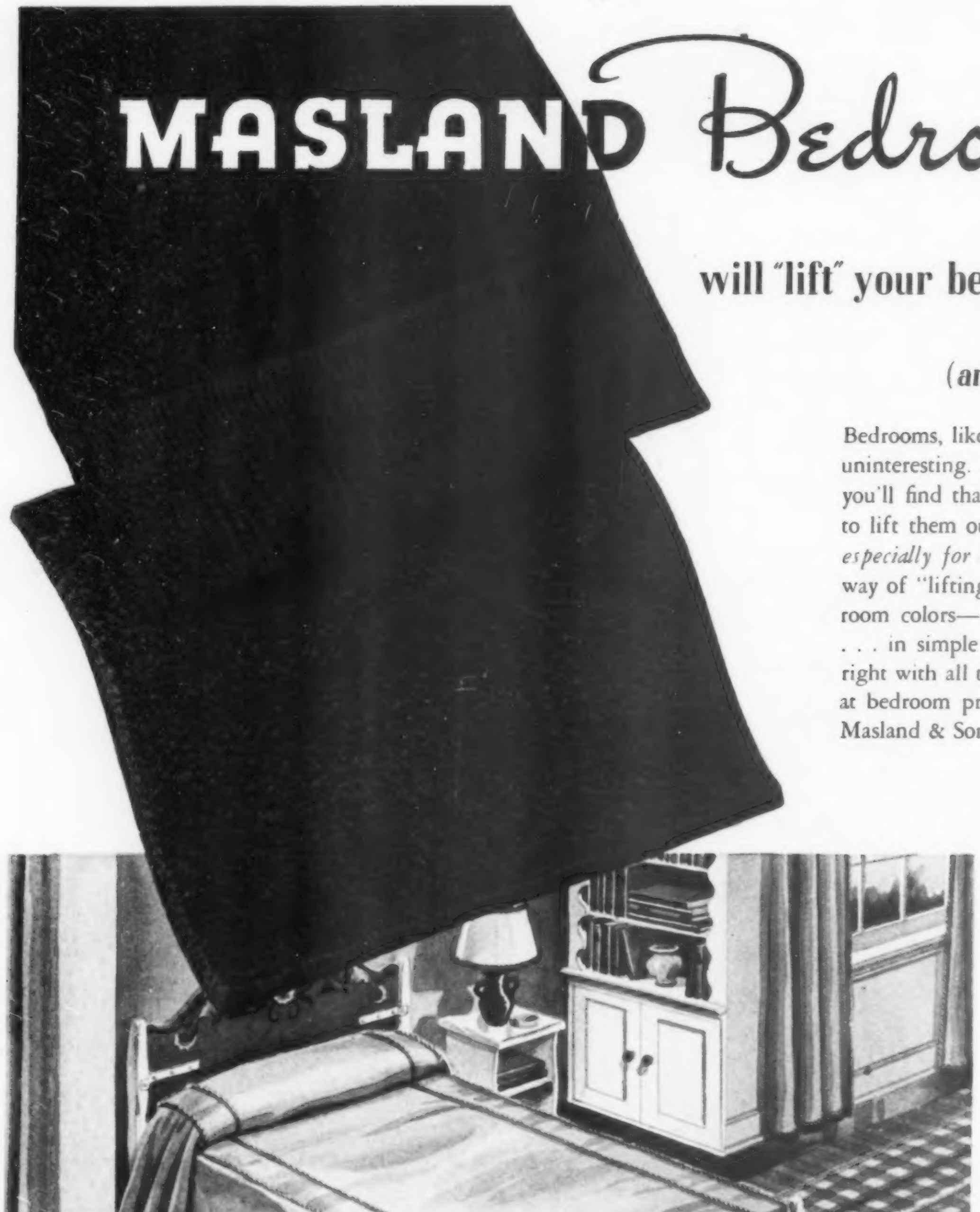

Top: *Textura* (*Pattern 116-X*) Center: *Frieze* (*Foam Green*) On Floor: *Mossgrain* (*Pattern 29*)

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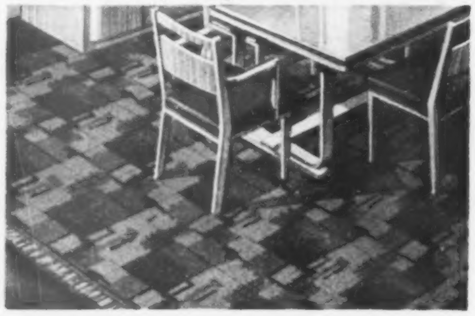

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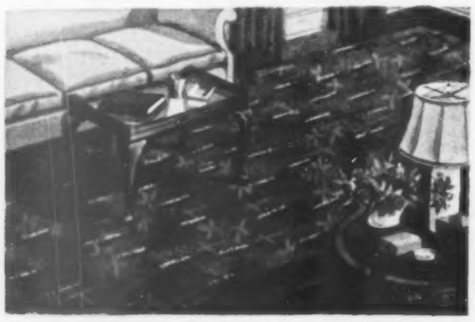

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your ignorance or thinks the house not worth the trouble. Details should be settled on the spot, as letters may be read with varying meanings. "Good enough for this old place" is too often used as an excuse for poor material or finish. A new house commands more respect from the average workman than does an old house which is to be restored to usefulness. No suggestion made by guest or family is unworthy of consideration. Reject them later perhaps, but first see how they fit into the plan.

The period of rebuilding the house and development of the yard covers seven years and is almost told by the pictures. The first year shows the greatest structural changes, but it does not begin to tell the story of the yard, the house, or the furnishings. The pleasure of neighbors and passers-by was evident from the first. The house had been an eyesore for so long that its renovation was a matter of great interest to many people. A village Mrs. Malaprop remarked that she understood we had "all the moral improvements down there."

When we had finished our "moral improvements" the original 26′ x 14½′ main house measured 26′ x 26′ without the porch. There are now five rooms and a closed porch which serves as an extension to the living room. During the summer this is used as a dining room.

The real estate agent had mentioned a good garage. We found a much patched open shed, a closed shed, a hen house, and dog house. These all came down except the open shed.

In 1929 we made our most important personal contributions to the work of improvement. We laid a brick floor under the new porch, painted the picket fence, and built a stone wall around the edge of the garden. We had placed stepping stones, put stone steps in the banking, laid brick walks, painted one of our rooms, and transplanted trees from the woods; but we thought it took real ability to build a stone wall, paint a picket fence, and set a brick floor in the sand.

The house looked very bare to us in 1926, but by the time the lawn had started to grow and the garden was planted, we felt better about it. Blinds at the windows made the house look more finished. Window boxes, vines and shrubs added a homelike air. An awning softened the glare of afternoon sun on the porch. The picket fence shut us away from the road. Only one who has experienced a like sensation can imagine how we felt when the elm tree, planted in 1931, cast its shadow on the white wall of the house.

The development of the yard has been interesting—but often discouraging. Sand from the cellar covered with eight inches of loam made the lower or garden lawn, but no one told us that we should first cover the sand with sod or clay loam, and the rain disappears through the sand in a fashion disastrous to the grass.

The upper lawn had more loam on it, but after the second year the good grass was crowded out by several inferior types which grew so strong that nothing short of removing the sod and regrading will ever make a real lawn. This we cannot afford again but, even if we could, we have no courage to try, for there seems to be no reason why the cycle should not repeat itself. Beach grass which once covered the hill has succumbed to mowing and there are now only a few roots left—each year less than before.

The native pines we transplanted died because we had not learned about tap roots, but four out of seven little cedars lived. Two maples decided after four years that they would grow, and now they make a shady place in the yard.

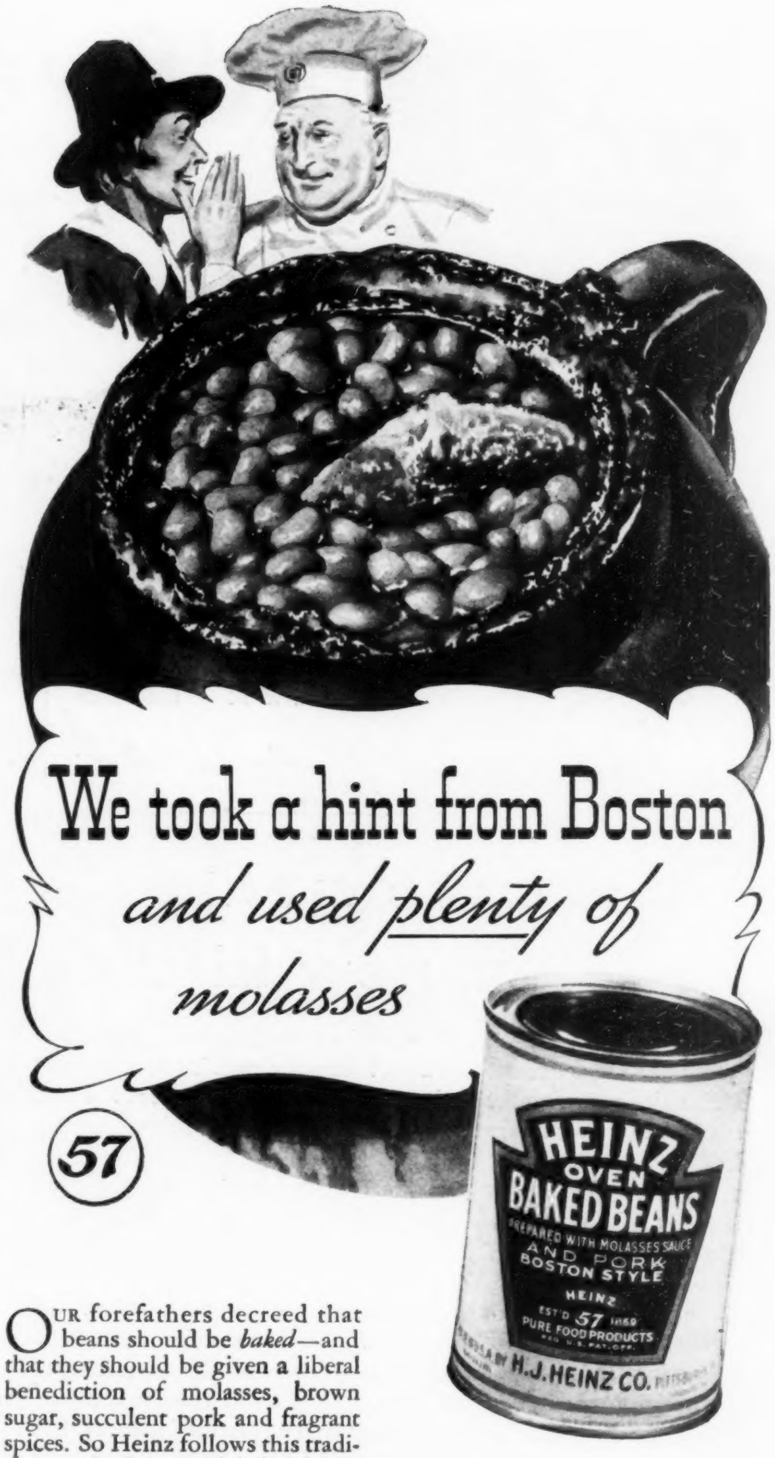
Our garden soil was not rich enough. We dug it up, laid down a bed of peat, then loam and manure, and finally richer soil. That year the annuals grew so rank that they nearly smothered the perennials. The gardens are exposed to strong winds. Few plants were able to stand up against them until we built the stone wall on the river side of the garden. Even then the high tides and winds of winter storms threatened the garden, and a breakwater has been built to protect it more adequately.

No one believed our climbing roses would do anything on the north side of the house, but they have grown apace and blossomed profusely. We have yet to learn the secret of pruning enough and not too much, but each year we grow wiser regarding pruning.

Our most complete failure aside from the elm and apple trees has been with the lawn. We have concluded that given a dry summer and seed blowing in from field grasses, we can have a lawn only at great expense of both time and money, and we have about given up the fight. A very wet summer might give us courage to try again, but it is doubtful. One who has once experienced a drought on the Cape knows that only an irrigation system can overcome its devastating effect.

In 1930 it was possible to buy the sand lot above the house. The surface had been taken off years before to provide sand for building the new bridge. The dead yellow sand was an eyesore. Dirt blew into the house with every strong wind. We longed to cover the surface with loam and seed it down. This we did and the sand

[Please turn to page 116]



OUR forefathers decreed that beans should be *baked*—and that they should be given a liberal benediction of molasses, brown sugar, succulent pork and fragrant spices. So Heinz follows this tradition to the letter and bakes beans in true Boston style that are as mealy and tender and tasty as those of ancestral days.

Here are the savory facts: Heinz buys the choicest beans that can be found anywhere. These are carefully sorted by hand and washed until they glisten. After hours of soaking they go into hot, dry ovens until golden brown. Then they're enriched with delicious pork and a glorious sauce of molasses and rare imported spices.

Folks who enjoy authentic Down-East beans are enthusiastic about Heinz Boston-style. On Saturday night—or any other night—a steaming pot served with the aromatic sauce bubbling merrily is a princely feast! And a wonderfully easy one to prepare. Simply ask your grocer for Heinz oven-baked Boston-Style Beans. They are all ready to heat and serve with hot brown bread and plenty of black coffee! Be prepared for second helpings!

Heinz also bakes beans with pork and tomato sauce; another variety (Vegetarian) without pork; and red kidney beans in a sweet sauce all their own.

Heinz OVEN-BAKED Beans

WAVE THIS
Magic Wand

It's easy to create a new kitchen

● Yes, it does seem like magic—the complete transformation shown in these before-and-after kitchen views. Yesterday's inconvenience and drabness have vanished into thin air . . . to be replaced by new charm, new livability, and new leisure for the housewife.

You can easily practice such "magic" in YOUR kitchen—for today, Crane Co. offers you a complete kitchen planning service, based on hundreds of thousands of successful installations of kitchen equipment. Your kitchen will be planned by experts . . . arranged, down to the last detail, for greater comfort and convenience. You can have roomy, modern storage cabinets, a gleaming Crane *Sunnyday* Sink with these modern advantages—swinging spout, vegetable spray, depressed drainboards and stemware drying ledge. Everything will be planned to fit YOUR desires—but you will have none of the annoyance of making a thousand ends meet.

What will your CranEquipt kitchen cost? Probably far less than you would suppose—and, remember, the Crane Budget Plan of easy payments is yours to use, if you wish. Mail the coupon, today, for the new Crane Kitchen Guide. Take the first step towards getting a beautiful step-saving kitchen!

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Gentlemen: I want to have a CranEfficient kitchen. Please send me a copy of the NEW Crane Kitchen Guide, containing full information on modern, step-saving arrangements of all kitchen equipment.

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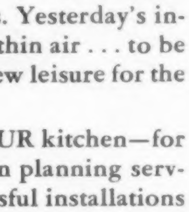
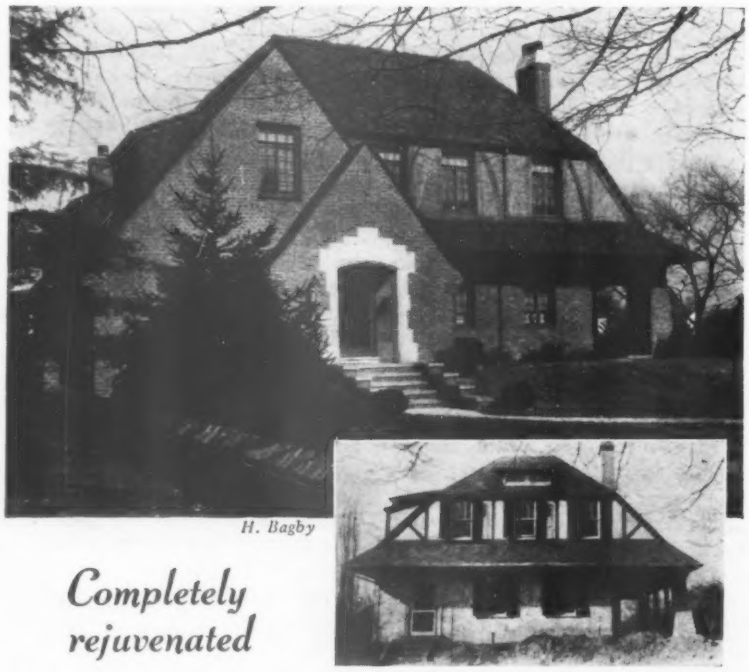

Crane Kitchen Guide

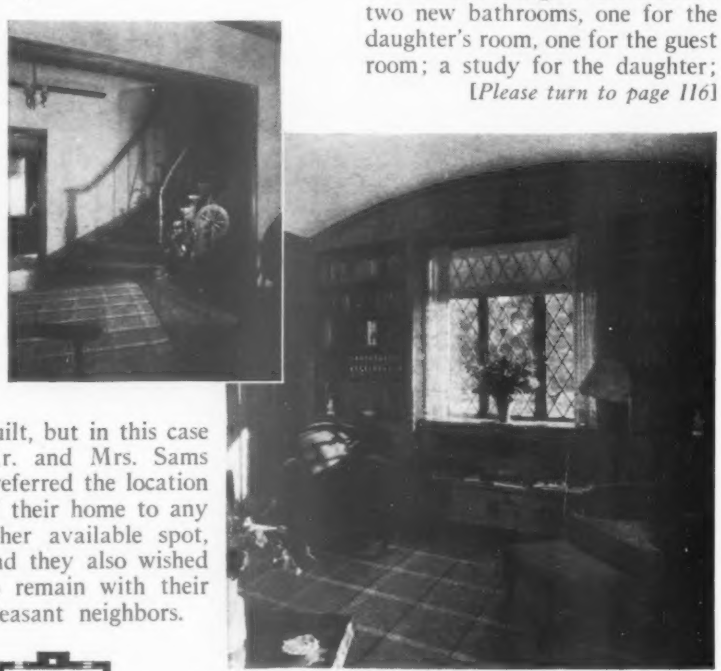


H. Bagby

Completely rejuvenated

Home of Mr. and Mrs. W. L. Sams, Richmond, Va.

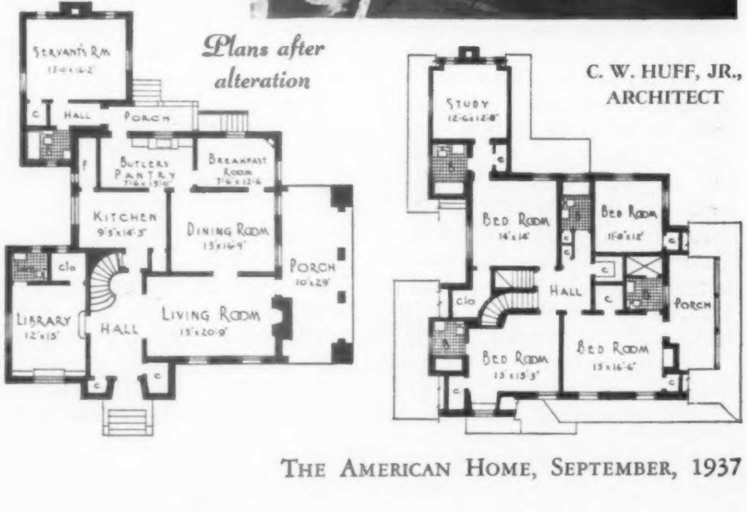
LOOKING at the "before and after" photographs of this house it is difficult to believe they are one and the same. The remodeling was done because the owners wished to have more space and a better house. Usually, when such complete reconstruction is needed, the old property is sold and a new one built, but in this case Mr. and Mrs. Sams preferred the location of their home to any other available spot, and they also wished to remain with their pleasant neighbors.



Their requirements for the first floor were to add a library which would be accessible to the hall, a small breakfast room to the east near the pantry, and a servant's room and bath close to the kitchen. The architect's plans show how this was accomplished.

On the second floor several additions and changes were desired: two new bathrooms, one for the daughter's room, one for the guest room; a study for the daughter;

[*Please turn to page 116*]


Servant's Rm
13'-0"x16'-2"
C
Hall
Porch
P
Butlers Pantry
7'-6"x15'-0"
Breakfast Room
7'-6"x12'-6"
Kitchen
9'-5"x14'-5"
Dining Room
13'x16'-9"
Porch
10'x29'
Clo
Library
12'x15'
Hall
Living Room
13'x20'-9"
C
C
Study
12'-6"x12'-8"
C
Bed Room
14'x14'
Bed Room
11'-0"x12'
C
C
C
Hall
C
Clo
Porch
Bed Room
13'x13'-3"
Bed Room
13'x16'-6"
C
C

Plans after alteration

C. W. HUFF, JR., ARCHITECT

Cut heating costs with long-lived

dependable DELCO OIL BURNER

equipped with amazing new

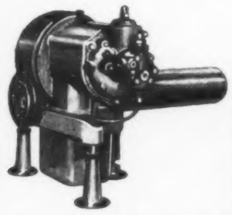
Rotopower Unit

and Thin-Mix Fuel Control

HERE'S THE WORKS, FOLKS!

A single moving unit turns—and you have low-cost, dependable Automatic Heat for years to come. That's the Delco Rotopower Unit—an *exclusive* feature of the *new* Delco Oil Burner

Latest Delco development gets maximum heat out of every drop of oil . . . assures you automatic heat you can afford—now, and for years to come.



Out of the world's greatest experience in getting the very most from liquid fuels . . . comes the new Delco Oil Burner. Its amazing new Rotopower Unit, with the famous Thin-Mix Fuel Control, is the most spectacular achievement in the history of automatic heating.

And while it saves you worry and trouble . . . while it is giving you years of quiet, completely automatic service . . . the new Rotopower Unit will also keep your fuel bills way down. No wonder it is the fastest selling oil burner in the world!

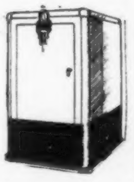
The Delco Oil Burner mixes the *cheapest* grade of approved domestic fuel oil with 19 parts of air—the most economical proportion—to form *a true thin mixture* of air and oil. The Rotopower Unit, with the Thin-Mix Fuel Control, maintains this mixture in constant balance—providing a radiant, sootless flame of intense heating power.

The Rotopower Unit and Thin-Mix Fuel Control are *exclusive Delco features!* You can afford automatic heat if you buy the right kind. But don't guess. See for yourself that Delco-Frigidaire, the Air Conditioning Division of General Motors, can save you money for years to come no matter what your heating problem may be. See your dealer today.

PRODUCT OF GENERAL MOTORS

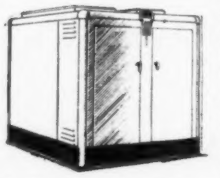
Two Other Types of Delco Automatic Heating Equipment

For Radiator Heating Systems—*the Delco Oil Furnace*



The Delco Oil Furnace is a complete heating plant fired by the Delco Oil Burner with the new Rotopower Unit and the sensational Thin-Mix Fuel Control. You can use it for steam, hot water or vapor systems. Instead of *wasting heat up the chimney* you *use the heat you pay for* inside your house . . . and save money all winter long. See the sensational Delco Oil Furnace yourself at your nearest Delco-Frigidaire dealer's . . . or mail the coupon *today*. Also available for gas.

Heating plus Winter Air Conditioning—*the Delco Conditionair*



Most revolutionary of all Delco heating equipment is the Delco Conditionair. *It air conditions as it heats*—circulates a fresh supply of warm, filtered, moistened air which moves without drafts through every room. Fired by the Delco Oil Burner, the Delco Conditionair is surprisingly economical to operate. See it yourself at your nearest Delco-Frigidaire dealer's . . . or mail the coupon *today*. Also available for gas.

DELCO *Automatic* HEAT

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SEE IT YOURSELF!

Delco-Frigidaire Conditioning Division
General Motors Sales Corporation
Dayton, Ohio. (Dept. AH-9)

Please send me complete information about the Delco Rotopower Unit. I am interested particularly in Delco Oil Burner ☐; Delco Oil Furnace ☐; Delco Conditionair ☐.

Name ____________________
Street ____________________
City and State ____________________

Old Colony Furniture

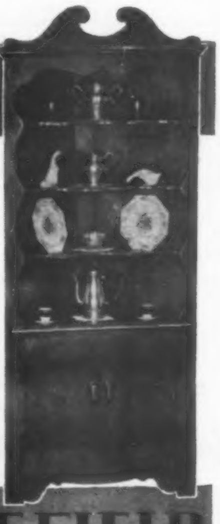
ALWAYS IN FASHION... ALWAYS

THE simple beauty . . . tasteful design . . . authentic details of OLD COLONY pieces are some reasons why this livable furniture is, and always will be "in fashion" . . . why it is appropriate for so many homes today.

APPROPRIATE... AND

THE quaint designs of OLD COLONY Furniture enable you to create distinctive "decorative" touches throughout your home. And . . . the warm, mellow finish wears gracefully through the years.

ALWAYS DISTINCTIVE



OLD COLONY prices are reasonable, too. Most of the better furniture and department stores show OLD COLONY Furniture.

In this 24 page booklet on OLD COLONY FURNITURE are many suggestions for decorating your home attractively and comfortably. Simply send 10 cents to cover mailing costs (coin preferred) to Department A-9, Heywood-Wakefield Company, Gardner, Mass.

HEYWOOD-WAKEFIELD

FINE FURNITURE SINCE 1826
GARDNER, MASSACHUSETTS

A woman's "weathereye"

[Continued from page 32]

ing a masterpiece of domestic architecture—a dog house! Just as they were finishing a caller arrived, so we went out to have a tour of inspection. With a flourish, Peter painted the last wobbly red letter over the doorway, appropriately arched for "Archie's House."

"This," said Peter, wiping the last of the red paint across his forehead, "is a very special dog house because it's built of insulation board, and Archie will be cool as a cucumber in summer and snug as a bug in a rug in the winter."

Our guest laughed, "Lucky dog! That's a lot more than I can say for myself."

Leaving the children to share the housewarming refreshments with Archie, we returned to the welcome coolness of the house.

"Why, I didn't know you had air conditioning," exclaimed our guest in surprise.

"Thanks for the compliment, but we haven't. However we do have something that Terry says is 'temperature proofing.' It's some strange process that makes the house cool in summer and warm in winter. Terry has a positive insulation complex."

Terry shook his head in mock despair. "That sounds bad, but you'd better be careful since it may be catching."

We learned, both the guest and I, that this *is* a "catching" complex. Then a discussion ensued of what Terry calls temperature proofing. Unfortunately, in the average American home, old or new, insulation has been sadly overlooked, and perhaps, there is no other one item of house construction which is as important for comfort and for long-range economy.

But just what does temperature proofing mean? Essentially, it is any process which prevents the transfer of heat or cold from outside in or vice versa. It may be accomplished by various methods. Terry says it is "sealing" a house so as to produce as little change as possible under extreme conditions. No one welcomes stifling summer heat in one's house, and there seems to be little point in raising zero temperatures out-of-doors by the amount of heated air which may leak from our homes. This business of keeping cool in summer and warm in winter should be a fundamental consideration, since not only our dispositions but our pocketbooks are greatly affected!

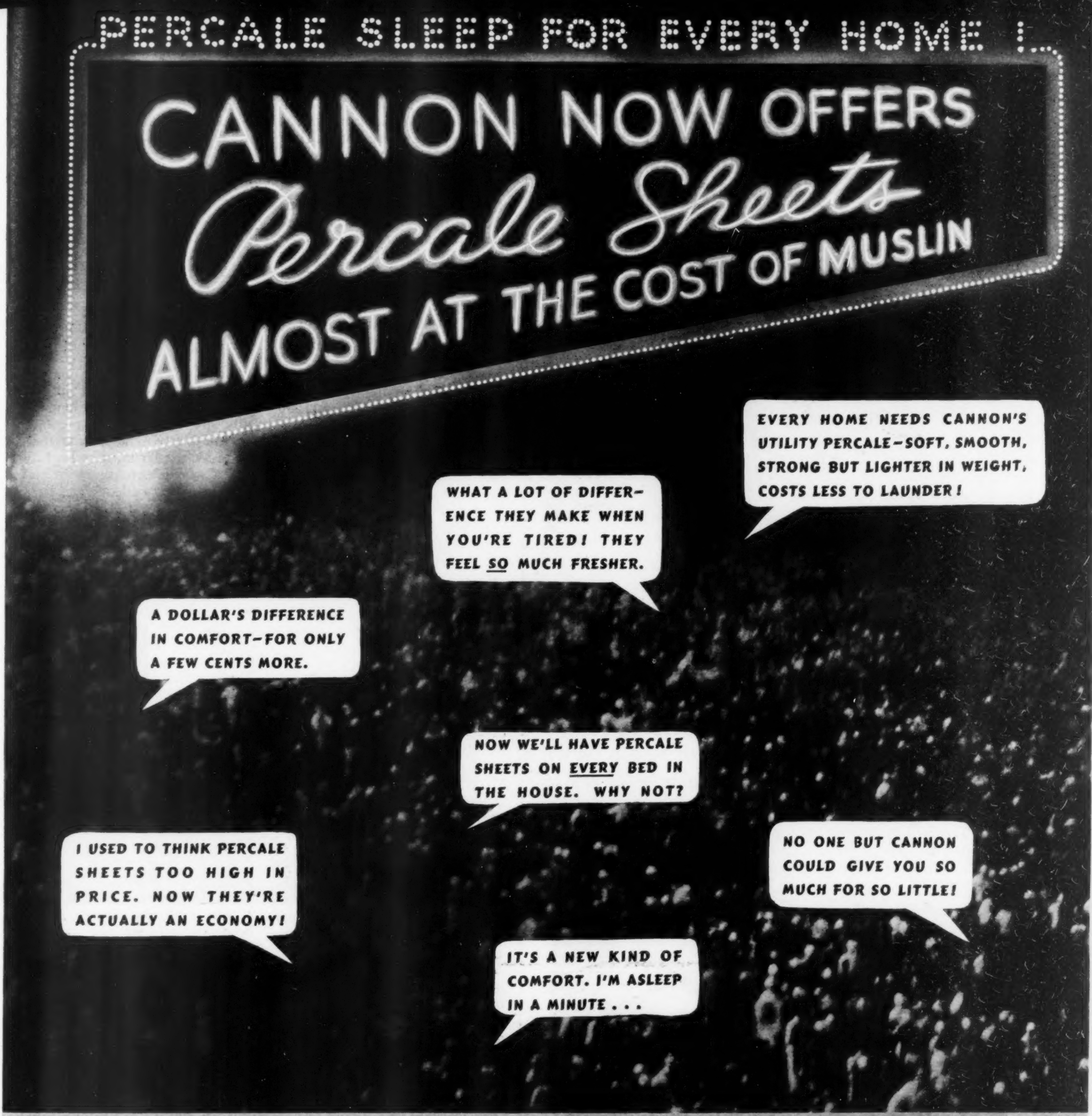
In spite of the fact that during the conversation yesterday our guest felt there was nothing which could be done to her old house to make it more equitable in temperature the year round and that she must continue to bear her cross, Terry suggested that she save her Christian fortitude for other difficulties, since there are several methods of rectifying an initial oversight in an old house.

To begin, what *can* be done to obtain a well insulated house which is not only more comfortable but cheaper to heat than the sievelike houses all too prevalent today? Of course the best way, and the cheapest, to seal your house against excessive heat and freezing cold is to build originally with an eye to the weather. For those of us with modest houses, insulation is perhaps more important than it is to the large home owner, since we can less easily afford high heating bills; nor can we run off to the seacoast at the first heat wave. The thought to keep in mind when about to build is that it is well to count ten before demanding a rumpus room and expensive built-in gadgets at the expense of thorough insulation and weather proofing. Many intriguing bits of equipment are apt to raise the cost of a house without giving just return, but insulation stands by one like a loyal friend through summer heat and winter snow. Think twice before you install an electric garbage disposal unit and forego temperature proofing.

For those planning new homes there are building exhibits in most cities where you may see demonstrated the various methods of temperature control (which does not mean air-conditioning). Your architect or contractor will help you decide which kind of insulation is most feasible for your budget. By such procedure you stand an excellent chance of having a house which contributes to gracious living without exhausting you with the burden of excessive fuel bills.

In case you are planning to buy a house, it might be a good idea to develop a bit of an "insulation complex" for the purpose of firing a barrage of questions at the realtor, owner, or builder of the house you are considering. What about the roof insulation? What is the side wall construction? What? No damper on the fireplace? "Come, come, my good fellow, how can you expect me to buy a house whose attic air space is inadequately ventilated?" Woe to the jerry builder, the shyster builder, who thought he had spotted another easy mark!

With an eye to the weather let us inspect our houses—those we have or those we plan! Insulation or temperature proofing means so much and is so easily installed even in an old house that we cannot ignore it any longer. The principle underlying the theory of insulation is that of the ordinary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CANNON NOW OFFERS
Percale Sheets
ALMOST AT THE COST OF MUSLIN
EVERY HOME NEEDS CANNON'S UTILITY PERCALE—SOFT, SMOOTH, STRONG BUT LIGHTER IN WEIGHT, COSTS LESS TO LAUNDER!
WHAT A LOT OF DIFFERENCE THEY MAKE WHEN YOU'RE TIRED! THEY FEEL SO MUCH FRESHER.
A DOLLAR'S DIFFERENCE IN COMFORT—FOR ONLY A FEW CENTS MORE.
NOW WE'LL HAVE PERCALE SHEETS ON EVERY BED IN THE HOUSE. WHY NOT?
I USED TO THINK PERCALE SHEETS TOO HIGH IN PRICE. NOW THEY'RE ACTUALLY AN ECONOMY!
NO ONE BUT CANNON COULD GIVE YOU SO MUCH FOR SO LITTLE!
IT'S A NEW KIND OF COMFORT. I'M ASLEEP IN A MINUTE . . .

This is news and you know it—all the wonderful comfort of percale sleep at so-easy prices! You'll find it in Cannon's Utility Percale, a sheet far finer in quality, lighter in weight (which cuts laundry bills), strong and long wearing. Price: only about $1.85,* packed in Cellophane and ready for better sleeping!

A close second in value is Cannon Muslin, long famous for extra-long service at extra-low cost—even in weave, white in color, soft and extra strong. A sheet that tests high at all points, first in its class for quality, first in all classes for economy. Now priced about $1.35,* ready to use, in Cellophane.

And, at the very top is Cannon's "Finest Quality Percale" costing about $2.50* boxed—the last word in bedtime luxury, in bedwear distinction.

Whatever price you pay for sheets, whatever quality you prefer—Cannon sells you more service and saves you more money! Always find the Cannon label before you buy.

Notice: Ask your store to show you Cannon's new REINFORCED HEMSTITCHING (patented). Original. Exclusive. Improves service. Lengthens wear. Yet costs no more than the old kind!

Reminder: When you shop for sheets, get some Cannon towels too. They offer greater variety and better values—all styles and sizes at all prices from 29c to $2.

*(Prices slightly higher west of the Mississippi)

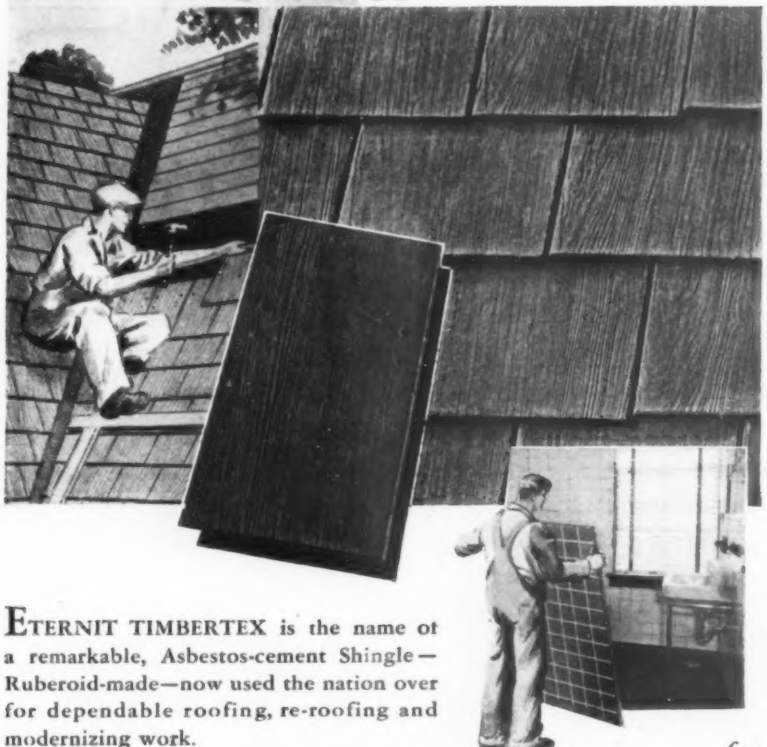
TRADE MARK
MADE IN USA
CANNON

Cannon Sheets

THE FIRST NAME IN TOWELS IS *THE LAST WORD IN SHEETS*

Shingles of Cypress Charm

FIRE-PROOF...ROT-PROOF ...NEVER REQUIRE PAINT



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This fire-proof, rot-proof and time-defying shingle, with its ¾" thick butts, faithfully reproduces the lovely texture of weathered cypress, aged and mellowed. You have a choice of several "wood" colors; all are soft and rich. These colors are not merely on the surface—they are built in—an integral part of the shingle. You never have to paint or stain Timbertex Shingles to prolong their life.

Roofing experts fully endorse the amazing, value-giving features of Eternit Timbertex as a solution to roofing upkeep. In this shingle, you have beauty, safety, durability and economy—and all at a remarkably low first cost.

If you plan to build, re-roof or modernize, investigate Eternit Timbertex—today's shingle triumph. We invite you to mail in the coupon for further facts.

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Another money-saving asbestos-cement product. Has the appearance of beautiful Ceramic tile at a fraction of the cost. Lovely lustrous finish. Durable. Sanitary. Panels 32 x 48 inches. Easy to cut, fit and install.

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Large asbestos-cement siding shingles with irregular butts; look like wood, but absolutely fire- and rot-proof; never require paint or stain.

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thermos bottle where two hollow thin walls of glass create a dead air space. In a house these dead air spaces act in the same way as they do in the picnic bottle. They keep your house cool as well as your lemonade, but in turn they maintain your furnace heat as effectively as the thermos holds the heat of your coffee. The more dead air spaces you have in your house—and the deader the better—the more successfully will your house be immune to summer heat and winter cold. Well insulated houses should always be able to maintain an interior temperature which is at least ten degrees lower than the outside.

Let us look at the parts of the house requiring insulation. Here they are listed in the order of their importance. With a critical eye think over the house you have or the home you plan to buy or build and check the following for insulation:

1. Ceiling insulation

   This is of first importance particularly in one-story homes where the ceiling is adjacent to the roof or the attic air space. Similarly, the same applies to second-story rooms.
2. Exterior Walls
3. Door and window openings
4. Roof.

To start with the ceiling, because it is the worst offender if not properly insulated, we go back to the old law of heat rising. Naturally we neither want winter-heated air to rise right out of the house, nor hot air from the roof to sift in during the summer. So the first *must* for the ceiling in a new house is insulation board lath. No house, according to the best building practice, should be without it, for it will do more per dollar to seal your ceiling than any other one product.

In order further to increase the insulation of the ceiling, try one of the rock or mineral wool products. This material is fascinating stuff, looks for all the world like cotton batting, and comes in long bats which may be laid between the ceiling rafters. It is also possible to buy this rock wool or diatomaceous earth loose, in sacks, so that it may be spread out between the ceiling joists in the attic or air space much in the same way as you spread your gravel paths.

Still a third method of making your ceiling deader than dead, as far as air spaces go, is less expensive than the rock wools and still effective—the application on top of the ceiling joists of aluminum foil paper. This material is a thin coat of aluminum mounted on paper and has a refraction value which throws back light and heat into the attic instead of permitting it to penetrate down into your rooms below.

A fourth method of sealing the ceiling is the use of fiber board insulation (Celotex, Insulite, Cork boards, etc.) which are sheets of pressed material laid on the ceiling joists. There are many types of this board varying in thickness. Perhaps the best rule is to buy it as thick as the thickness of your pocketbook permits. The thicker it is the more deadly its power to create dead air spaces and to seal. It is normal, however, to use material which is one half to one inch thick.

As to the exterior walls—number two trouble-maker in houses that are hotboxes in summer and iceboxes in winter—insulation board lath, already met in the ceiling, holds first place economically for temperature proofing them properly. The idea is that the inside plaster must be kept as cool as possible to make it immune to heat gain or heat loss, and so we use this lath on the inside of any exterior wall.

White paint is splendid for temperature proofing. Light exterior walls will throw off the heat; so we can actually get the color itself to work for us in making the house cooler. Have you ever noticed how many homes in the Southwest, in California, Florida, and the old South are white or near white? Even in New England many of the old houses built by our forefathers were painted white for coolness during the long hot days.

A third method of intensifying the efficiency of these dead air spaces is the use of insulation board sheathing on the face of the exterior studs. This product replaces and is the same thickness as the conventional sheathing of frame construction, but while it is like insulation board, it has been treated for the varying weather conditions with asphalt and aluminum paint.

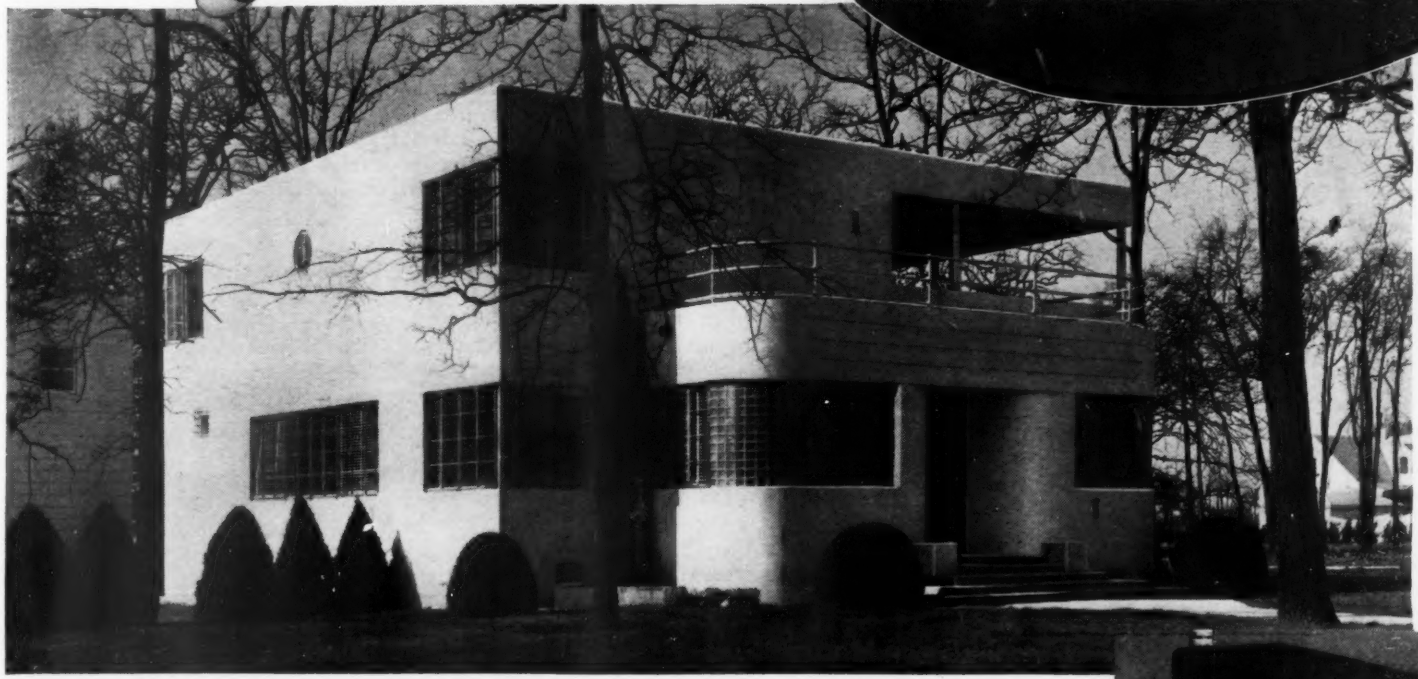
For additional protection against the weather demons brick veneer is an insulator, for it is placed one inch from the sheathing and so creates another of those treasured dead air spaces.

But what about door and window openings? Metal weather stripping is the answer here. No more drafts and cold air slipping through the window frames and under the doors. The interlocking zinc strips seal your doors and windows against hot air, cold air, and dust. While such weather stripping has always been used extensively in cold climates, it is becoming more and more popular in mild climates as well, since it functions equally well against heat and cold.

A second method of handling door and window openings, in order to have your home the last word in insulation, is to use double glass. Yet, it sounds queer, doesn't it? But again it's the same

Brings May-day Comfort Indoors!

Carrier
Air Conditioning



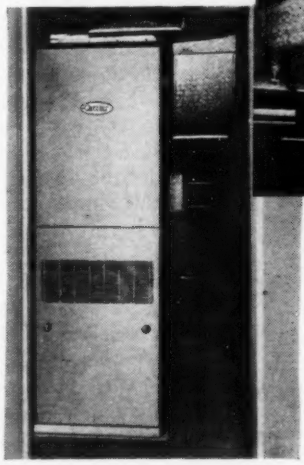
● Remember those glorious days in May? When the air was so fresh, so balmy, so invigorating? Today you can bring this comfort *indoors*—all year 'round—with Carrier Automatic Heating and Air Conditioning! It's *true* air conditioning—the system used in palatial homes both here and abroad.

In winter, your Carrier System does more than *heat*—it *cleans* the air, removes dust and harmful impurities. It *circulates* the air, makes your home uniformly comfortable. And it *humidifies* the air—ends that uncomfortable, unhealthful dryness forever. With Carrier cooling, the same equipment provides Summer air conditioning—dehumidification, and circulation of cooled, clean air.

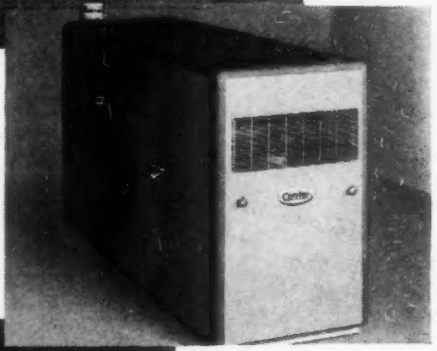
With all its features, the new Carrier Home equipment is so compact that it requires only small space—so adaptable that it can be installed quickly in old homes or new—so flexible that frequently much of your present heating equipment can be re-used. And its dependability is assured by the organization that has devoted 35 years *exclusively* to air conditioning—that has air conditioned such famous structures as Radio City, the U. S. Capitol and the "Queen Mary."

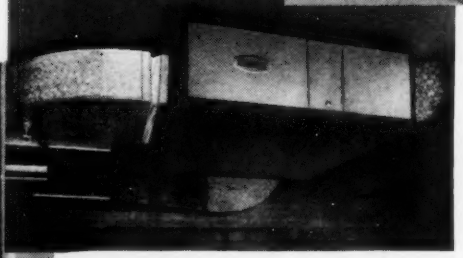
Call your Carrier representative today!

● In the Harry Allsman home, Tyler, Texas, (above) *one* Carrier Home Unit provides complete winter air conditioning—heating, humidification, circulation and air purity. Note small space.



● Using oil or gas, the Carrier Automatic Furnace (right) is available in two sizes—to meet the requirements of large or small homes. Finished in two-tone baked crackle enamel.





● This suspended unit (left) can be used with *any* automatic heating to provide humidification, circulation and cleaning of air.

CARRIER CORPORATION, Desk 423
850 Frelinghuysen Avenue, Newark, New Jersey

Please send, without obligating me in any way, complete information on ☐ Carrier Winter Air Conditioning; ☐ Carrier Home Furnace (gas ......oil); ☐ Carrier Oil Burner.

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Street____________________

City____________________

State____________________

Clean!
...not "half clean"
Bon Ami

Bon Ami Cake

removes dirt and film ...polishes as it cleans

Don't do a half-way job when you clean windows. Bon Ami Cake is easy to use... quick... and thorough! Rub it on. Wipe it off. Off comes dirt and greasy film. The glass is not only crystal clear but actually sparkling—for *you polish as you clean with Bon Ami.* That's why Bon Ami is the most popular window cleaner sold in America today. There's simply nothing like it for windows and mirrors. You, too, will find it does a *better* job. Try it.

Bon Ami

the best cleanser for windows and mirrors

idea as your thermos bottle. These double panes are set permanently into the frame very close together and not over a quarter of an inch divides them, yet that magic air space is there. Of course, it doesn't mean you have a double set of windows to wash, and vision is uneffected by the double glass.

In the average house the window openings are a small part of the whole exterior wall surface, perhaps not over twenty per cent, and so may not warrant this double glazing. But those who have a yen for the modern house with its vast expanses of windows may find double glass almost a necessity. Here the glass area has been increased until it may be as much as eighty per cent of some wall surfaces.

And now let us look at the roof! Just to prove that houses, like women, are a bundle of contradictions, the area immediately under the roof, unlike the other parts of the house which literally beg for dead air spaces, should have *ventilation*. This space between the rafters and the ceiling should have free movement of outside air except where attic rooms are made. If the roof area is floored to make attic rooms, then the roof rafters are to be insulated in the same manner as our regular stud frame interior walls. If the roof area is not ventilated heat will soak in to create a veritable fireless cooker. While this principle of catching heat and holding it may be a fine way to cook the family oatmeal, it has rather disastrous effects on the family itself.

Well, after your roof is adequately vented for air, and if you are not too timid a soul, try painting the roof white. White? Yes, white! Because white has a much greater reflection value than, for example, medium light colors. A white roof will reflect approximately eighty-five per cent of the heat striking it. If we can forget for a moment our unconscious devotion to architectural tradition, be it Colonial, English, or what you will, there seems to be no serious reason why a white roof cannot be entirely pleasing architecturally as well as an aid to proper insulation, to comfort, and to coolness within the home.

Now that the roof is white—or is it?—we turn to that old steadfast friend—insulation board under the roof sheathing. To increase the temperature proofing of your roof use the aluminum foil paper we have met elsewhere on the underside of the rafters. Rock wool bats between the rafters are excellent for making your roof weatherproof.

Well and good for those planning new homes, but what about the resigned souls who think nothing can be done to old houses? Shall we start with the roof? Is it properly ventilated? If not, a good carpenter could no doubt give you more vents, especially if you have a gable roof. Sometimes in an old house it is necessary to introduce a form of artificial ventilation and the use of an electric attic fan which will create air circulation.

Then, your old house can have the ceiling sealed by the use of insulation board on top of the ceiling joists or sheets of aluminum foil laid in the same way. Rock wool bats are easily placed between both the rafters and the ceiling joists or both. The attic floor may be covered with aluminum foil stripped to get that sought after dead air space and then re-floored.

It is not always economical to do much about the exterior walls of an old house. There is a pneumatic pressure process of loose rock wool insulation which requires a skilled technician to "blow" it in. The insulating material is forced through holes cut into the exterior walls until an uninsulated dead air space is filled with four inches of excellent insulation that is also fireproof.

Naturally the windows and doors of an old house may be weather stripped with metal as easily as if it were a new house and even double glass could be installed if it seems justifiable. So do not live in a hotbox or an icebox without at least finding out what might be done—often by the handy man of the family in a few odd Sunday mornings.

Another simple method of controlling temperature in an old house is by the use of dampers in the fireplace. More warm air goes up the chimney of a damperless fireplace than seems possible. Dampers may be installed at moderate cost and little effort in any existing fireplace; and often a habitually chilly room becomes warm and comfortable after the placement of a damper.

So we go to war with jerry builders who wish us to live in houses thrown together in a flimsy fashion with much surface effect, but alas, no invisible temperature proofing. The additional cost of insulation built right into a house is balanced a hundred times over by the effortless heating in cold weather and the coolness achieved in warm summer months. The furnace or heating system will cost much less in the long run and fuel bills can be considerably reduced if your house is weatherproofed. In general most insulating products will have insulation value in direct proportion to their cost. For example, an insulating board costing six cents a square foot will have at least a third more insulating value than one costing

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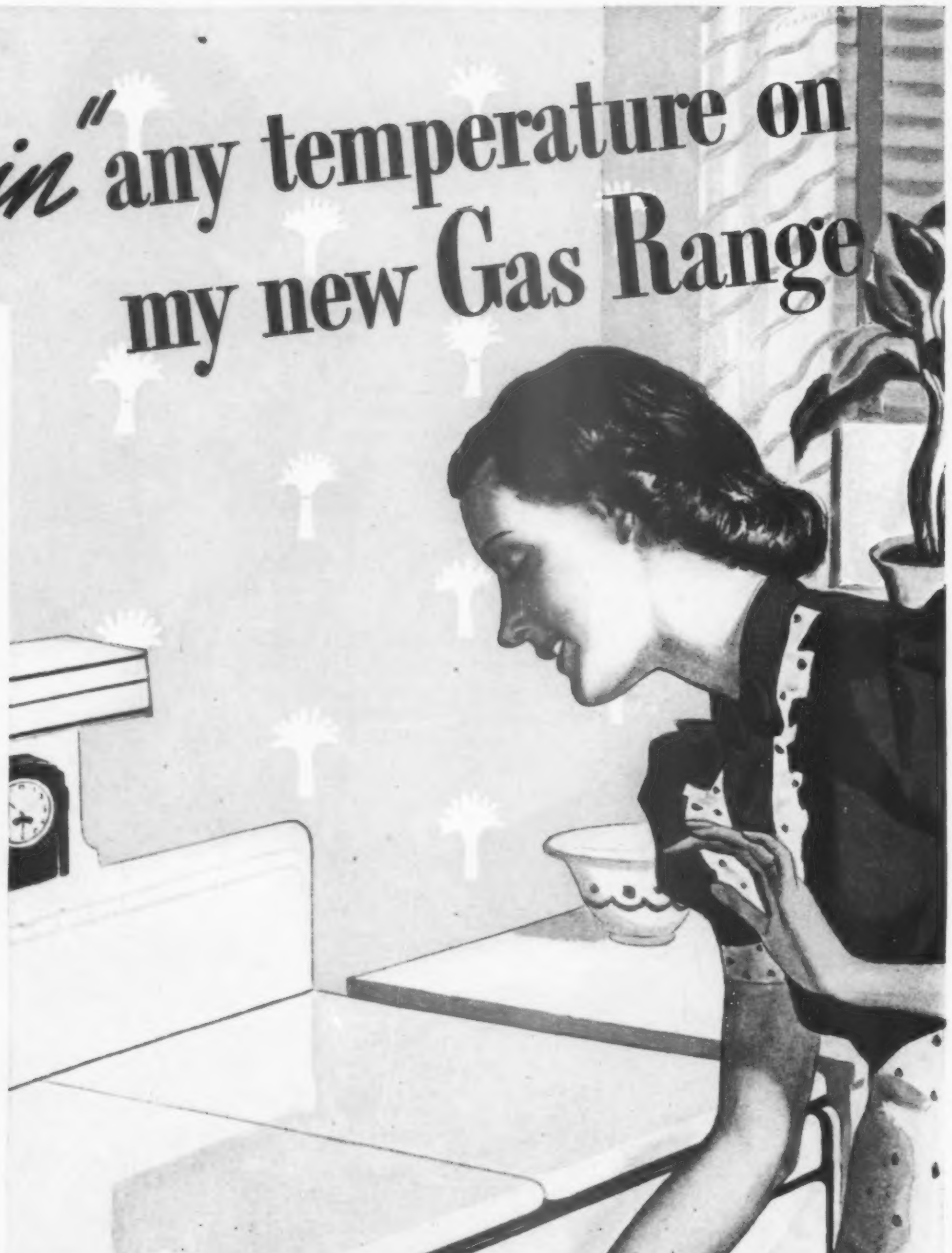
I can "Tune-in" any temperature on my new Gas Range



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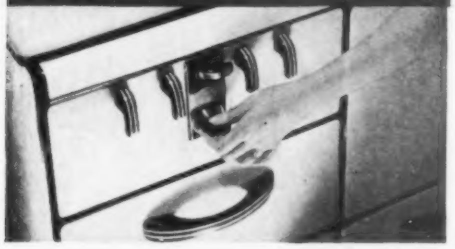

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• **ONLY WITH GAS** can you get *instant intense* heat. Top burners on the modern gas range light automatically. Marvelous new simmer burners enable you to do "waterless cooking"—which saves vegetable flavor and vitamins. Pots stay bright when you cook with the clean blue gas flame. New aluminum top burners are easier to clean. In fact, the whole range can be cleaned as easily as a china plate.

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• **THE NEW SPEED BROILER** cuts broiling time practically in half and seals in more flavor. There's no smoke to soil walls and curtains—new perforated grills drain off fats and keep them away from flame. The broiler in the modern gas range slides out in a convenient drawer. In appearance the new gas ranges are unsurpassed. Let one dress up *your* kitchen and make cooking pleasanter and more economical.

See the beautiful new gas ranges at the showroom of your Gas Company or appliance dealer. You'll find them surprisingly low in cost. Look for this Seal of Approval of the Testing Laboratories of the American Gas Association when you buy gas equipment. Appliances bearing this Seal comply with national requirements for safety, durability and efficiency.

Planning
The World's
Easiest-To-Keep House
by
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A 34

GAS IS YOUR QUICK, CLEAN, ECONOMICAL SERVANT

four cents a square foot. The degree of insulation will, therefore, depend on what you can spend.

However, even a minimum of insulation will bring good returns. In the American home of tomorrow there may be air-conditioning plants used as commonly as electric refrigerators are today. Yet it is well to remember that until your house is properly temperature proofed there is little point in considering artificial manipulation of the climate. Air-conditioning must *follow* adequate insulation.

And so, though insulation has always sounded vague, it seems to me that after our conversation yesterday with Terry explaining its value, all of the women who make houses, houses everywhere, into homes should be aware of this invisible aid to comfort and economy. Today all of Archie's canine friends are invited to see the super-dog house, insulated for comfort. Truly in this modern age of scientific approach to materials even the dogs are beginning to come into their own program of better housing.

Privacy on a pie-shaped plot

[*Continued from page 34*]

two wings which follow the line of the streets they face. However, the greatest privacy is accomplished by opening the bedroom, the hall, the living room, and the kitchen upon a terrace-patio, sheltered by the spreading wings of the house from passers-by.

This little house, on a difficult site, shows the study and skill an architect can bring to the problem of a meritorious five thousand dollar house!

Not only is the plan extremely convenient for so small a house, but a pleasant relationship between all rooms and the out of doors has been fostered. Though cars may pass on three sides, it is still possible to have lunch on the terrace without having the menu noted by the neighbors or the passing delivery trucks. This sort of seclusion is not difficult to obtain on a spacious piece of property, but on a small odd-shaped lot situated between three streets in the heart of a well-populated neighborhood, such an accomplishment is nothing short of a miracle.

White siding, soft yellow trim, shingle roof, and graceful porch pillars combine harmoniously in this design. With its gleaming brass door knob and trim little garden lying behind a white picket fence this good little house is Colonial in feeling yet is pleasantly and comfortably at home on a Hollywood hillside.

Modern brick in Grosse Point, Michigan

[*Continued from page 25*]

It is likely a guest will first want to stop in the Powder Room to the right of the hallway, off which opens a lavatory with yellow linoleum walls, blue floors, blue plumbing fixtures, silver leaf ceiling and, silver woodwork. Or if it is necessary to telephone, please step to the left. This is the corridor connecting with the service part of the house. Beyond the telephone will be found a pantry with doors leading to the kitchen and to the dining room. Brown linoleum walls, white steel cabinets, and accents of green make a pleasurable working atmosphere in the kitchen and pantry. The service entry is on the side of the house, so it is not completely continental in confronting the world with the garage; this side entrance leads to the basement and it also has an inside door opening into the garage.

Returning to the living room, so beautifully lighted by an extraordinarily spacious bay window, chairs can be found near the window, or if it is a cool day, in the fireside seats within reach of the host's collection of books and *objets d'art* ranged in the abundant shelves rising halfway up the room, and well illuminated from half-windows on either side of the chimney.

Double doors connecting the two rooms can be closed while the table is being laid. The dining room is equipped with a blue linoleum floor, light blue wallpaper, white ceiling and woodwork. The furniture is of natural waxed maple; the draperies are chocolate-colored chintz. Corner windows coupled with a door to the terrace light this important room of good living.

Similar fenestration gives plenty of light and air, and permits additional wall space, upstairs in the bedrooms on this same side of the house. The second floor is reached by a staircase in the front entrance hall, the reason for the narrow window with circular lights marked in approaching the house from the front. A clever feature of the staircase is its unobtrusive, almost partially concealed situation to one side of the vestibule, where the casual visitor will not see this mode of access to the most private part of the house except on leaving.

The hall entrances to the four bedrooms are skillfully and uniquely planned for complete privacy in the sleeping apartments themselves.

CLEANING YOUR TUB ONCE A DAY, YOU CLEAN THIS MUCH TUB EVERY WEEK!

Old Dutch subtracts **hard rubbing**... *adds* **quick polish**... *multiplies* **minutes saved!**

Because it's made with SEISMOTITE

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And cleaning the bathtub is just one of the many "got-to-be-done-again" cleaning tasks where Old Dutch, the speed cleanser, saves precious time. There's the sink, the pots and pans, the stove, the refrigerator, the linoleum. All these, Old Dutch cleans swiftly, easily because it contains no slow draggy grit. The minutes it saves each day add up to hours saved each week. And it doesn't scratch!

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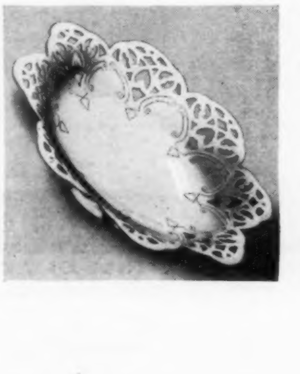
MADE AND GUARANTEED BY ONEIDA, LTD.

Imagine the sparkle this dainty silver dish, with its lovely, "lacy" border, will lend *your* table. Picture it heaped with bonbons, crystallized fruits, radish roses, olives, nuts, or a mold of rich, red jelly! Dozens of different uses make this the perfect bridge prize or holiday gift. Don't wait. Offer expires Oct. 31, 1937; good only in the United States and Canada.

Old Dutch Cleanser

$1.50 Value for 50¢ and 3 Old Dutch labels

Actual size of dish 6½ inches in diameter



You may order as many Bonbon Dishes as you like. Send 50c and 3 Old Dutch labels for each one wanted. This offer good only in the United States and Canada and expires Oct. 31, 1937.

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I am enclosing______c and______Old Dutch labels for which send me___"Wm. A. Rogers Bonbon Dishes."

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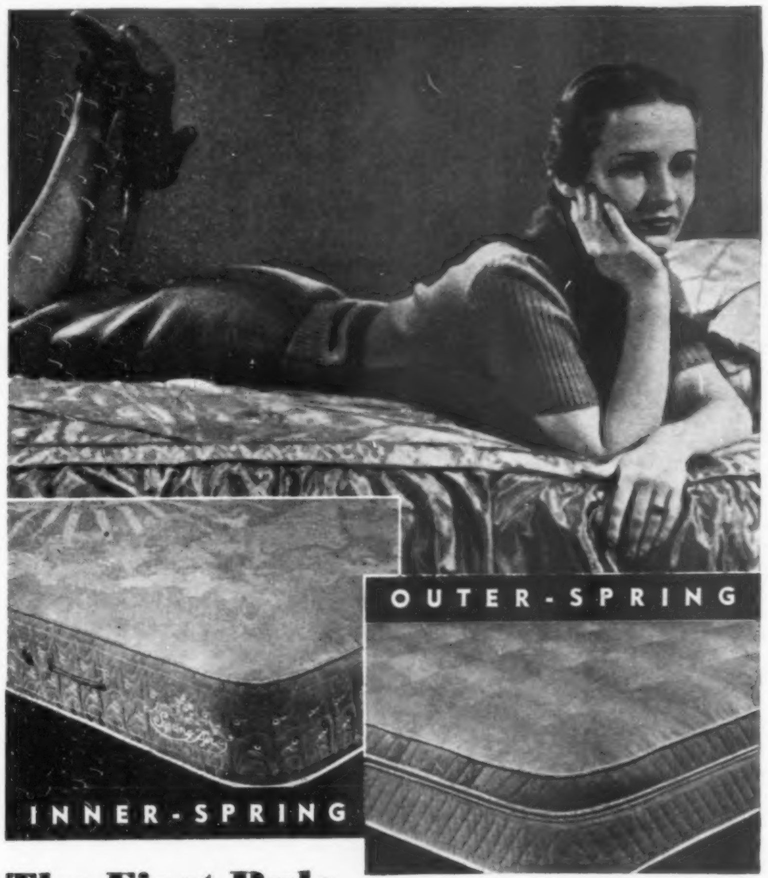

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For concentrated, vitality-building sleep — the kind that will make a new person out of you — give yourself the right sleep-foundation. Try Spring-Air, — and see how it puts youth in your step, how it banishes eleventh-hour fatigue! Select any style you like, — but be sure it has the Spring-Air label. For Spring-Air is the only nationally-sold mattress containing the guaranteed Karr Spring Construction, — the only spring sleep unit that is so perfectly constructed that its original resilience maintains itself unimpaired throughout the years. From the very first, experts have recognized Spring-Air's superiority; now, thousands flock to its renowned comfort.

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SEE BOTH OF THE MODERN TYPES!

The easy-to-handle and comfort features of the Outer-spring type of mattress make it highly desirable,— but it requires the most highly perfected, self-sustaining spring construction to withstand this out-in-the-open exposure. Such a unit is Spring-Air's guaranteed Karr Spring Construction. Naturally, it is also the best of constructions for the conventional Inner-spring style. Your Spring-Air dealer will show you both types, — ask to see them. Priced from $24.50 to $49.50.

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"GETTING THE MOST OUT OF YOUR SLEEP" IS THE TITLE OF AN INSTRUCTIVE PAMPHLET, — A FREE COPY AWAITS YOUR REQUEST.

Supper at 6.30—outdoors

ELSIE W. LAMPKE

DIRECTLY in back of our home lies a stretch of hilly woodland which furnishes the perfect background for the level lawn upon which we stage our outdoor suppers. A stone fireplace, at the base of the hill, in a setting of forsythia and syringa bushes, is most important in the culinary scheme. And upon the terrace, flanked by dogwood trees, we set our bridge tables and folding chairs, affording our guests a view of a charming Westchester valley between the trunks of a score of old oaks.

In front of this grassy plateau, extends a blossoming patch whose flowers vary in range from daffodils and tulips in April, through iris, delphinium, phlox, zinnias, gladiolas, daisies, bergamot, and perennial ageratum, adding a very gay note to the picture.

It is this menu that we have offered so successfully to our friends on many occasions:

Cocktails or Tomato Juice
Frankfurters on Rolls
Hot Sauerkraut
Hamburgers on Rye Slices
or Round Rolls
Fried Onions Potato Chips
Mixed Salad
Quartered Tomatoes
Pickles Carrot Stalks
Celery Olives
Beer
Coffee Cinnamon Rolls

If this fare be considered too bounteous, it may be decreased. Experience has taught us that half of the group prefers the hot dogs, while the rest awaits the hamburgers; so we provide both.

We invite our guests for six-thirty; but before their arrival, we have set our tables, covering them with brightly-hued paper and adding matching napkins and paper plates, old flat silverware, and sturdy glasses. A side table for serving holds the extras: a pitcher of water, bread, salad, condiments, and the like. And on a permanent table, adjoining the fireplace, are placed toasting forks, broilers, carving knife, and other cooking gadgets.

A small wood fire is started at six o'clock, and is covered with charcoal, for it is the glowing coals of charred wood that are so effective in giving that excellent flavor to our roasts. Meanwhile, indoors, the kraut is heated; the rolls are split and warmed on baking sheets. A spider of fried sliced onions completes the trio.

Upon the arrival of the guests the cocktails, alcoholic or otherwise, are served. The cooks of the evening broil the frankfurters on an old-fashioned broiler, which rests on an iron grill adjusted close to the glowing coals. An assistant stands by to add kraut to the hot rolls or to place a rackful of the "red-hots" on a platter to be passed to the assembled folk. While this course is being enjoyed, the hamburger steaks may be broiled in similar fashion, or simmered in a hot spider of melted butter. We have necessarily expedited the cooking by having chopped round steak, of the finest grade, to which salt, pepper, onion juice, and a little water have been added, prepared into round cakes which are heaped on a platter with parsley garnish.

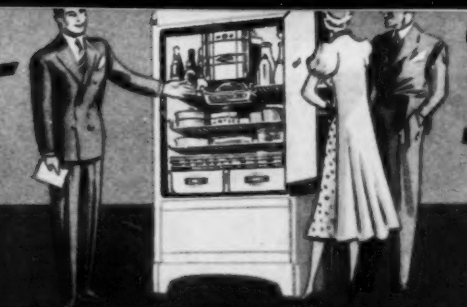
To achieve the perfect hamburger, a slight bit of practice is essential, for some prefer theirs rare, others well cooked, and both tastes must be considered. Potato chips in an aluminum pan, and the salad or pickles, etc., in a wooden bowl, and the hot onions taken from the coals in their spider, appropriately accompany this third course. Salad dressing, two kinds of mustard, and beer are on the serving table. Our guests, most informally, help themselves, though the young people are most prone to proffer these side dishes to their elders.

By this time everyone has most enthusiastically praised our outdoor supper. Then someone cries, "The best is yet to come!" For when our maid appears on the scene carrying a noodle-board, laden with golden-brown, caramelized, cinnamon buns, there are always shouts of glee, as these are the *specialité de la maison!* And by the time two percolators of carefully brewed, steaming coffee have poured their contents into the china cups set at each place, our friends are unanimous in the opinion that "It's a great old world after all!"

Perhaps by this time the dusk is gathering. I venture to say that memories of these peaceful post-supper moments will linger in the minds of our guests when all thoughts of pretentious dinner parties have been obliterated. At one party the twilight came all too soon, but we proved equal to the occasion, hastily commandeering candlesticks from indoors. With this effect we could scarcely induce our friends to forsake the stars for the promised rubbers of bridge in the living room.

Although my husband assumes command of the culinary department during the meal, the cooks vary. At one of our first gatherings, when our home owner was a novice, a young college girl and her fiancé delighted fifteen of us with the best-tasting hamburgers. Another time, two husbands were voted excellent cooks, to the surprise of their wives. It is amusing to note how much latent talent is discovered at each supper. I find

Outsells All Others—on Proof!



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...Keeps food safer, while making ice cheaper than you can buy it!

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Cuts Current Cost

COLD STORAGE TRAY

ONLY FRIGIDAIRE

gives you these advantages:

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Actual electric meter tests *prove* it. Makes *oceans* of cold on a mere *trickle* of electricity. Thus it freezes more ice, *faster*—keeps food safer, fresher, longer ... yet cuts current cost to the bone—even in hottest weather! Simplest refrigerating mechanism ever built! Only 3 moving parts, *including* the motor. Runs quiet, trouble-free year after year. Built and backed by General Motors. Protected for 5 years against service expense.

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Ice freezes faster in *metal* trays than in trays made of any other material. And *every* tray, in *every* Frigidaire, is a fast-freezing All-Metal Quickube Tray with the Instant Cube-Release. Releases ice-cubes instantly, two or a trayful. Yields 20% more ice by ending waste of melting under faucet.

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Adjusts like magic to suit any size or shape of food or container. Includes:

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3-Way Sliding Shelf
2-Way Multi-Storage Section.

Only Frigidaire has it!

Food-Safety Indicator on Outside of Door — Gives PROOF — at a glance — of Safety-Zone Temperature inside the food compartment.

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Releases the ice trays from the freezer compartment at the touch of a finger!

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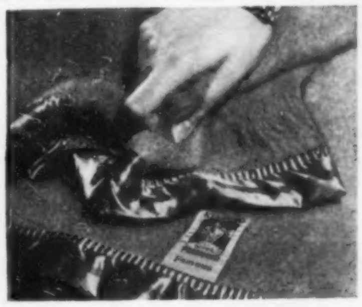
How to Choose and Care for
BLANKETS

[Tips from the pages of the New Kenwood Blanket Book]



LIVE NEW WOOL is essential to warmth. For simple tests that indicate whether a blanket is made of live new wool, see page 2 of the Kenwood Blanket Book.

STRONG, FIRM WEAVE is essential to wear. For simple tests that indicate firmness of weave and wearing qualities, see page 3 of the Kenwood Blanket Book.

EXTRA LENGTH for tuck-in is essential to extra sleeping comfort. For correct blanket sizes for all types of beds, see page 4 of the Kenwood Blanket Book.

CORRECT WASHING will keep good blankets looking like new. For full directions for blanket care, see pages 14 and 15 of the Kenwood Blanket Book.

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KENWOOD BLANKETS

the young people exceedingly gracious in assisting at these parties; and our visitors always claim that the charm of the youngsters enhances their enjoyment.

When our colony club meeting was assigned to us for a June evening, my husband entertained these men by roasting frankfurters at the hearth at ten-thirty with three flares shedding ample glow on the group. The men stood about the fire, lending a hand, serving the beer and pickles. However, an oncoming shower sent them into the house for their coffee and cup-cakes. This meeting won the colony's warm praise.

Last year we introduced this *menu de luxe:*

Clam Chowder Pilot Biscuit
Hamburgers
Dill Pickles Hot Corn
Quartered Tomatoes
Watermelon (plugged and rum-soaked)
Cinnamon Rolls Coffee

The chowder was contributed by friends, having been prepared according to an old secret Pennsylvania recipe, and was partaken of with infinite relish—yea unto the third bowlful! The corn was cooked indoors, but kept hot at the fire.

We have also substituted broilers, lamb chops and steaks for the meat courses. They are more costly and lack the novelty of our given menus. And I must confess that I travel miles for the tastiest frankfurthers, for this extra effort makes our viands different from the average.

I am including our special recipe for the cinnamon buns, which are always prepared the day they are served, and that is giving way two secrets!

Cinnamon rolls

1 pint scalded milk
½ cup butter
½ cup sugar
1 teaspoon salt
6 cups flour
Yolks of 2 eggs, or
1 whole egg
½ oz. yeast (1 cake)
Grated nutmeg

Warm bowl and flour. Crumble yeast in a cup with 1 teaspoon sugar and ½ cup lukewarm scalded milk. Set in warm place to rise. To rest of scalded milk add butter, sugar, salt, nutmeg, and when lukewarm, beaten egg. Use flat wooden spoon and stir in yeast and some of the flour, enough more to knead; mix and knead until the dough is smooth and elastic. Cover closely and let rise double in bulk. Roll dough ½ inch thick and spread with extra melted butter. Sprinkle generously with scraped maple, brown, or granulated sugar, cinnamon, seeded raisins, and sliced almonds or pecans. Roll, cut roll into equal 1-inch pieces. Place in two roasting pans into which the following has been assembled:

8 tablespoons melted butter
2 cups brown sugar
4 tablespoons water
Few sliced almonds

Let rise until light and bake at least 25 minutes in a hot oven until golden brown.

And what do we do when the weather man plays tricks? Just take it philosophically. Several times the meanest showers arose shortly before our group arrived. Having delayed the lighting of the fire, in this doubtful moment, we just about-faced, put a fly into the dining room table, spread a large filet lace cloth, and substituted porcelain for the paper plates. Our old Sheraton table forbids paper accessories; and that means more work for Mary. So an extra prayer for clear weather is sent fervently heavenward on the eve of all our supper dates.

These outdoor meals offer a splendid opportunity to gather a fairly unlimited group of friends about one's hearth; and since the meal can be inexpensive, all can dispense this welcome type of hospitality. Invite some city dwellers who are apartment-bound; they will join in the gay frivolity which this informality is certain to engender. And one can blend groups of varying ages, repay social obligations, and have a thoroughly jolly time. We are planning our first 1937 outdoor party; the list of applicants is long. And I have just ordered the zinnia seeds!

What does your living room score in table test?

[*Continued from page 47*]

style of the rest of the furnishings—"holdovers" you haven't bothered to replace because you didn't feel they were important enough? (Maybe you didn't realize it, but you could have got by, believe it or not, with recovering several of those old chairs you had, if you'd got some really handsome tables to go with them. Tables get a great deal more eye-attention than you would ordinarily think.)

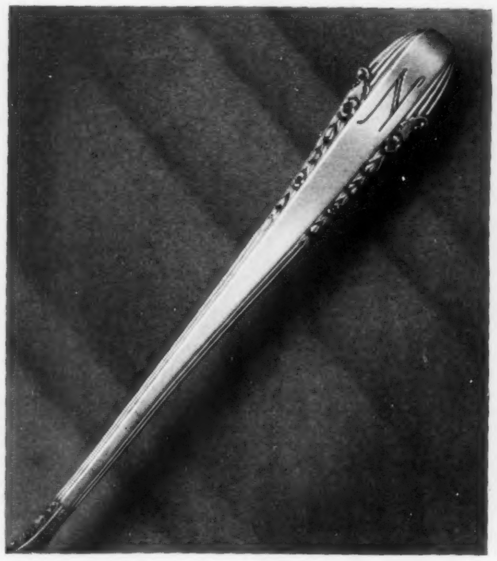
ANSWER:____________

No. 8: Were the majority of those tables of yours in the pink of fashion—say, nine, ten years ago? Or even farther back than that? (Tsk! tsk!) And table styles have changed so greatly within the past few years—lines are so much lighter, more graceful; finishes are so much more interesting, designs so much simpler. . . . Old tables can date a room as surely as can bead-fringed lamps!

Now—he agrees with his Bride!

Dick: "What! Spend your Uncle Ben's wedding check on Sterling silver? Honey, we're not going to live in a palace, you know!"

Joan: "Silly! People in cottages have Sterling! Come on ... I'm taking you into this jeweler's to get educated!"



Jeweler: "I'll show you *Enchantress* first. It's International Sterling's newest pattern—a great favorite with brides this fall."

Joan: "I adore it! It's so slim and graceful. It's the perfect pattern to go with my china and glass!"

Dick: "Hey—not so fast! I thought this was just a sight-seeing expedition."

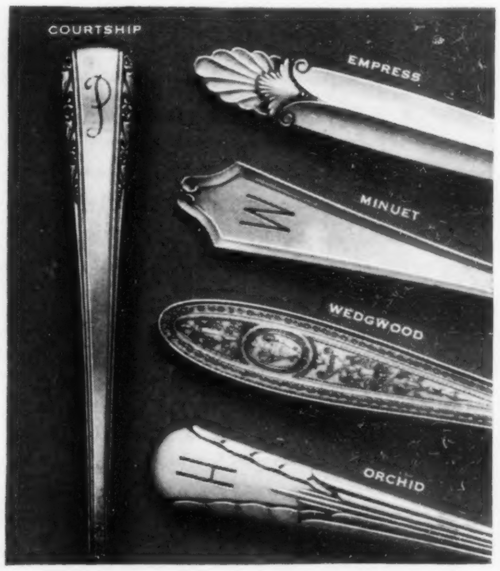
Jeweler: "You'll be surprised, sir, how little a service for eight costs. And—if you prefer—you may buy it under Budgeted Payments or the Lay-Away Plan."

Joan: "Oh, Dick—isn't it gorgeous! Now break down and confess you're glad we bought Sterling!"

Dick: "Well, sweetheart—it's O. K. with me, if you're pleased. *Enchantress* is a good name for that design. It's a beauty, all right! Uncle Ben must be our first dinner guest when we get back from our honeymoon."

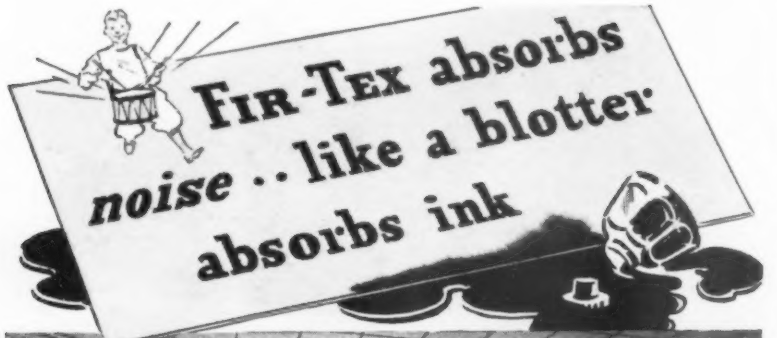
Uncle Ben: "You and Dick showed good taste in choosing Sterling, Joan. I always say there's something solid about people who prefer solid silver."

Dick: "Yes, sir... I believe in getting the *real* thing when it comes to silver. I'm going to make this a service for twelve when I get my raise!"



Five other beauties ... all distinguished by the craftsmanship for which International Sterling is famous. See them at your jeweler's and ask about Budgeted Payments and the Lay-Away Plan. For free booklet, "Planning for Sterling," write International Sterling, Dept. AH-97, Wallingford, Connecticut.

International Sterling is made by the International Silver Company, largest manufacturers of silverware, whose predecessors made spoons of solid silver over one hundred years ago.


FIR-TEX absorbs noise .. like a blotter absorbs ink

Fir-Tex "Firkote" for Sheathing

Firkote makes shiplap and paper obsolete. Adds greater structural strength, greater insulation against heat, cold, wind and dust—at no added cost, everything considered. Cuts fuel bills drastically. Termite proof, highly fire retardent.

A Fir-Texed Home is Quiet

"Quiet, please!"

Let us remember to shut out noise, too—while we're insulating against heat and cold. We want our home cool in summer; warm in winter and *quiet always.*

Fir-Tex is almost as famous for its sound absorbing properties as for its superior insulating values. The natural wood fibres, with their myriad air cells, felted into boards, absorb sound like a blotter, stop reverberations, echoes, sound vibrations. They do this *incidentally* while doing the best job you ever saw of stopping heat and cold.

And how the home owner benefits! His home is comfortable, fuel bills are reduced up to 50 per cent, smaller and less expensive heating plants are required.

Let your local retail lumber dealer show you the special Fir-Tex wallboard for interior finish—Ivrykote, with a mottled ivory, smooth washable surface. Available in Building Board, Finish Plank and Tile Board. No further treatment required although Ivrykote lends itself to further decoration or coloring without sizing.

Fir-Tex Plaster Base Instead of Lath

Plaster cracking is reduced to a minimum when Fir-Tex Plaster Base Lath is used on the job. Fir-Tex "kills two birds with one stone"—eliminates wood lath, adds three times the insulation value.

FIR-TEX

SUPER INSULATING BOARD

Insulates . . . Deadens Sound . . . Cuts Fuel Bills

Send for catalog showing the application of Fir-Tex as sheathing, finish, insulation, plaster lath, etc.

FIR-TEX INSULATING BOARD CO.
Dant & Russell, Inc., General Distributors, Portland, Oregon.
Gentlemen: Please send FREE Home Owner's Catalog.

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Fir-Tex Building Board for Insulation

For walls, floors and roof, there is no insulation as effective or inexpensive as Fir-Tex. The felted natural wood fibres provide insulation 12 times as effective as brick, 15 times clay tile, 25 times more effective than concrete.

A stone's throw from Plymouth Rock

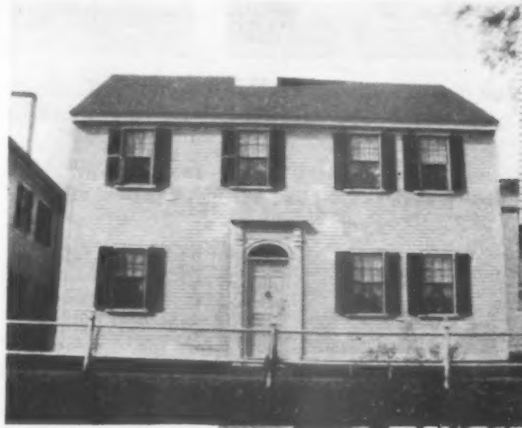
Home of Mr. and Mrs. Dexter M. Brooks

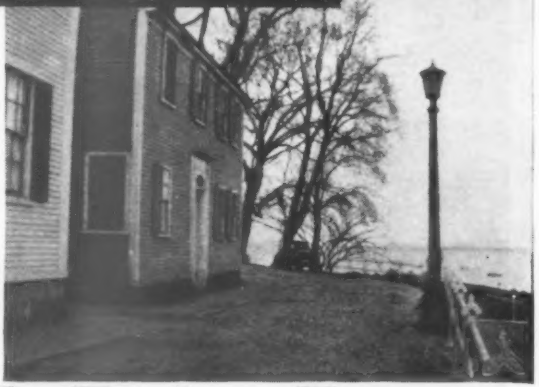
IN 1745, when this country had but thirteen colonies and was still loyal to the English crown, one Isaac Doten built this house. The Pine Tree shilling of historic fame was serving as money and there was no such thing as planned currency. Some paper money was issued, resulting in considerable monetary confusion. Ninety per cent of the colonists were farmers. We have little direct information about these times, covering house furnishings, as there were no painters in the new colonies. Too the quill pen was not wasted in describing interiors, which is unfortunate.

However, from various sources of information we can construct a mind picture of many of the construction problems of that day. It cost thirty pounds to frame the house, which included the sills, joists, summer beams, girts, and plates with a space left in the center for the chimney—nine by eight feet. In addition there was the cost of sheathing, flooring, siding, shingling, plastering, and glazing, and the house was practically finished.

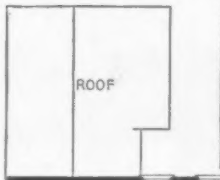
The plastered walls were whitewashed, for paint was not commonly used until the later 19th century, when it was most usually a red ochre and fish oil combination for the exterior with gray interior. At this time Benjamin Franklin was satirizing the Boston housewives in the newspapers for "now glazing their houses with new fashion'd square glass." The diamond-shaped pane was then in vogue.

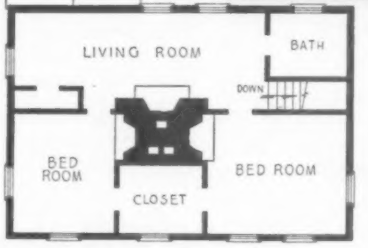
Isaac and his times showed a knowledge of house insulation which is again becoming popular. He laid brick in the air spaces of the outside walls. He realized that this was also good fire protection. With a brick yard in operation in Salem as early as 1629 and plenty of brick clay along the coast, there is not much question as to whether or not these bricks were made locally. The lime for mortar was made by burning local sea shells. Some

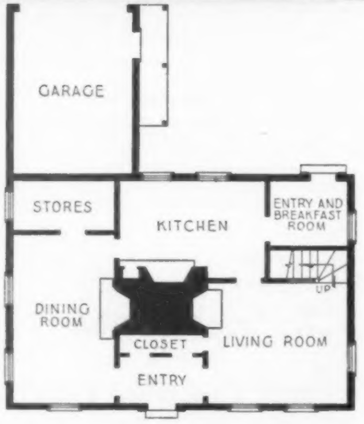




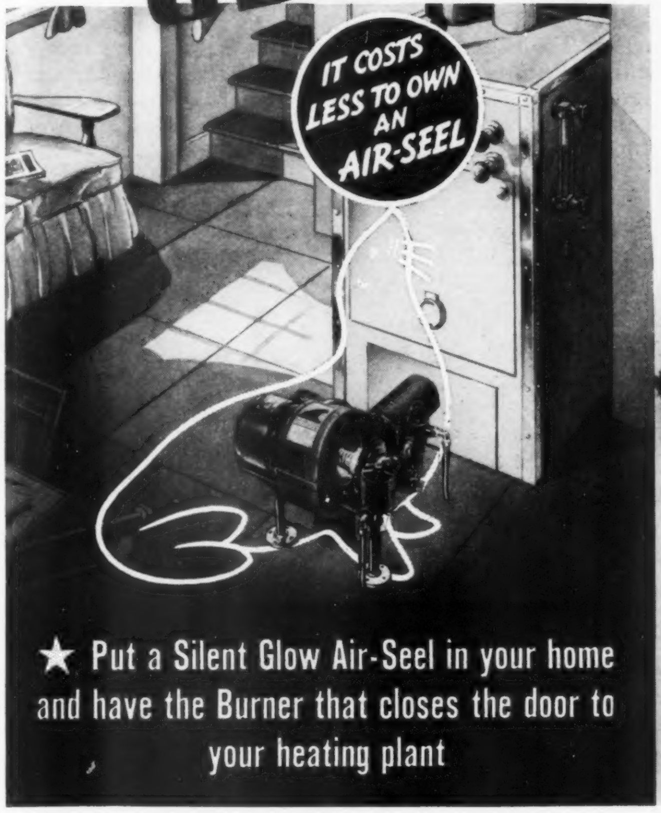
Front of the house before and after it was modeled



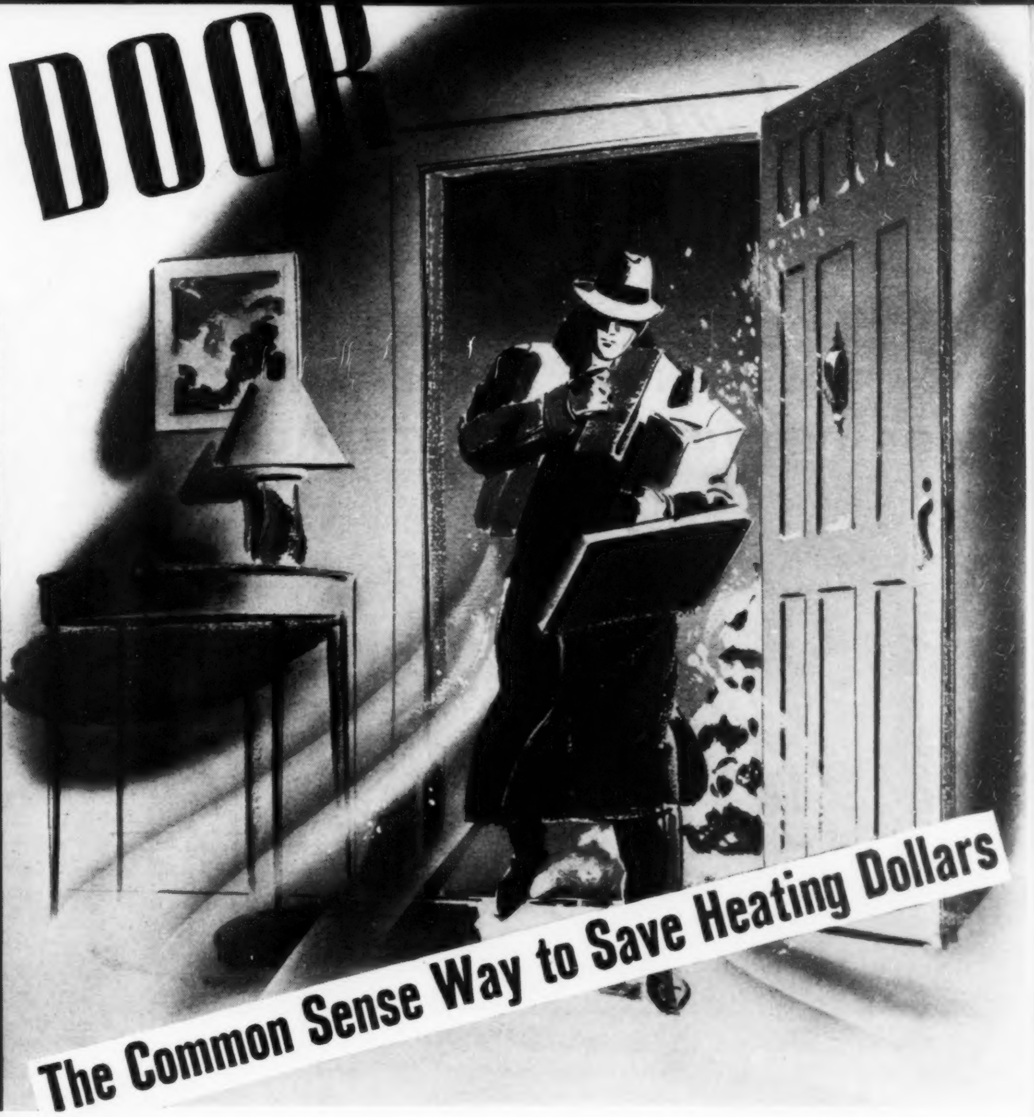




CLOSE the DOOR


IT COSTS LESS TO OWN AN AIR-SEEL

★ Put a Silent Glow Air-Seel in your home and have the Burner that closes the door to your heating plant


The Common Sense Way to Save Heating Dollars

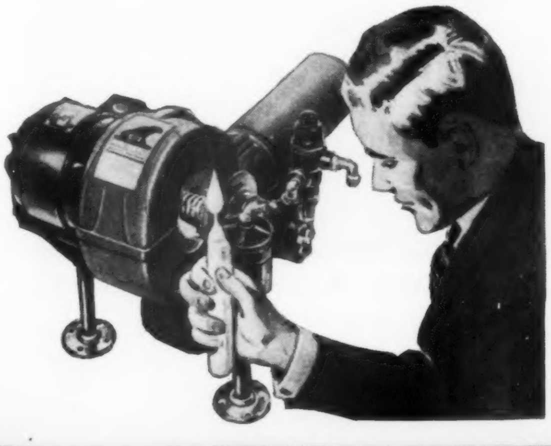
YOU wouldn't think of leaving your front door open in mid-winter. But until the development of the Silent Glow Air-Seel—most oil burners have been guilty of just such a wasteful practice.

Every time ordinary burners shut off, they leave an "Open Door" between the 1700° interior of your heating plant and the 60° temperature of your basement. This is a temperature difference of 1640°—*20 times greater than when the front door to your home is left open on a zero day.* Naturally, if your heating plant is constantly robbed of its stored-up heat, your house fails to heat promptly. *Valuable fuel is wasted.*

• • •

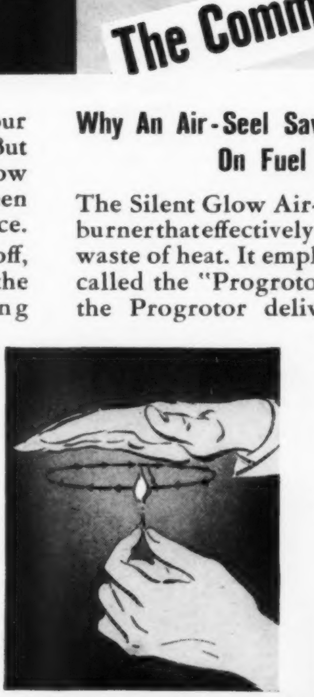
THE CANDLE TELLS THE STORY

Before you select an oil burner make this simple test. Hold a lighted candle at the fan opening of several ordinary oil burners. Notice how the flame is sucked in when the burner shuts off—clear proof that cold air is rushing in and chilling the heating system. Then make the same test with a Silent Glow Air-Seel. The candle is not sucked in—neither is cold air—because the Progrotor has formed a heat-sealing door.



Why An Air-Seel Saves 20% to 35% On Fuel Costs

The Silent Glow Air-Seel is the first oil burner that effectively stops "open-door" waste of heat. It employs a new-type fan called the "Progrotor." Not only does the Progrotor deliver air more efficiently and quietly than old-fashioned fans, but — most important of all —it closes the door to your heating plant.



108% MORE FLAME TRAVEL MEANS MORE HEAT PER GALLON OF OIL

Another important economy feature of the Silent Glow Air-Seel is its rifled air-tube, which makes possible 108% more flame travel. To see what this means in heating efficiency, pass a lighted match *rather quickly* under your hand. You will scarcely feel its heat. Next, pass the match under your hand twice as slowly. Your hand now gets far more heat. In a similar way, an Air-Seel extracts more heat from every gallon of oil. The flame stays longer, like the match. You get more heat from every gallon of oil.

The instant the burner shuts off, the blades of the Progrotor automatically fold flat, and form a sealed door. Cold air cannot rush in and chill your heating system.

Extensive tests show that this revolutionary feature reduces fuel costs from 20% to 35%.

Look up the Silent Glow dealer in your city today and see with your own eyes how the Air-Seel does everything described on this page. Note, too, that Silent Glow dealers are not just salesmen, but trained heating specialists. You can rely on them.

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AIR-SEEL

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Please send free booklet on the Silent Glow Air-Seel Burner and name of nearest dealer.

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SLEEP comes so luxuriously, when you slip between Pequots. Your rest seems richer, deeper, more satisfying. *Feel Pequots . . . and you'll see why!* Pequots have a unique soft strength. Experienced housewives say they can tell a Pequot instantly—just by its feel!

This *soft strength* means extra smoothness, to invite delightful relaxation. It means you get better rest . . . the firm, strong Pequot texture doesn't rumple. You don't lose sleep "fighting sheets." It means more years of wear—as laboratory tests prove.

Superficial smoothness can be faked. *Soft strength* can't. It has to be woven in, the way Pequot does it . . . using fine, strong strands of selected cotton.

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PEQUOT

Sheets and Pillow Cases

of the hardware was made by local blacksmiths, mostly heavy strap hinges. English Parliament prohibited the establishment of slitting mills so necessary to the manufacture of hardware at that time. This was done at the instigation of English manufacturers, so that most of the iron and brass for the colonies had to be imported from Sheffield and Birmingham. The H and HL hinges came from England about 1700 and lasted until after the Revolution; later cast iron butt hinges were invented in England. The spear-point latch handles are the earlier; and the rounded end came after 1700. The latches were first made by the country blacksmith but as time went on more and more came from England. We find latches listed at eight shillings. Nails were made both locally and abroad and prices ranged from six to ten pence per hundred, indicating the cheapness of hand labor. The nail cost must have been a large item, the latch nails in particular.

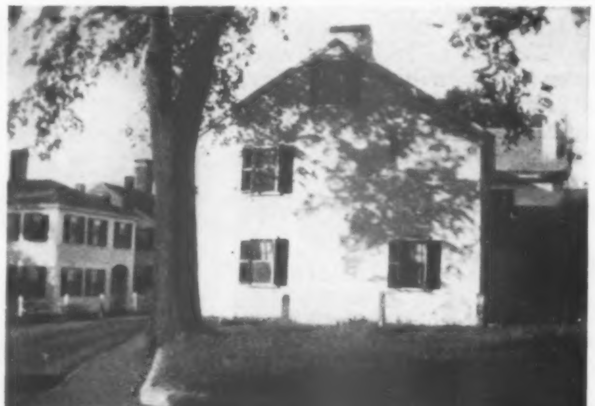
In 1935, a hundred and ninety years later, when we took the house, many of these ancient features were visible, some of which we intended to conceal, so we made our purchase with the restoration and rehabilitation of these things in mind.

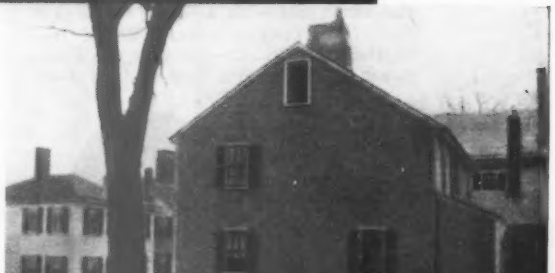
THE location is on Cole's Hill, overlooking Plymouth Harbor and within a stone's throw of Plymouth Rock. As was customary, there is no front yard. It can be seen by the pictures that the house is not symmetrical in relation to the room size or front door; neither is the house square. In fact, it is slightly diamond shaped to conform to the lot lines. The room arrangement is shown by diagram. All the rooms have fireplaces.

To give a complete summary of all the operations and planning which took place between April 19th and June 15th, the day we took residence, would be a long story, so the best we can do is to sketch a brief outline of that transformation period.

We had best start at the front door. The door frame is original and, as will be noted in the "before" and "after" snapshots, the door location had to be moved forward, thus making it lower by one step. In the old days before the sidewalk was in existence there were two steps outside of the house. The door itself is new. Note what a difference was made in the whole appearance by changing the outside paint from a battleship gray to ivory. Originally, the staircase led from the front entry to the two upper chambers. This was changed for three reasons: first, the need of a clothes closet in the entry; secondly, the inconvenience of the bathroom location; and thirdly to give closet space in the upstairs rooms. Many houses of this period had no closets. Our new clothes closet is long and narrow but has two old doors and wainscoting salvaged from other parts of the house, so that is very much in keeping with its surroundings.

AS WE turn to the right, we enter the downstairs living room and observe diagonally opposite the new Jacobean-style staircase, copied from an old house in Newburyport, Mass. We used the old posts, rails, and balusters. The use of this ancient material with the greater freedom of interior arrangement should vindicate us from the charge of mutilation of the original layout. As we turn half about we face the fifty-inch fireplace and see the original paneling, which was found under

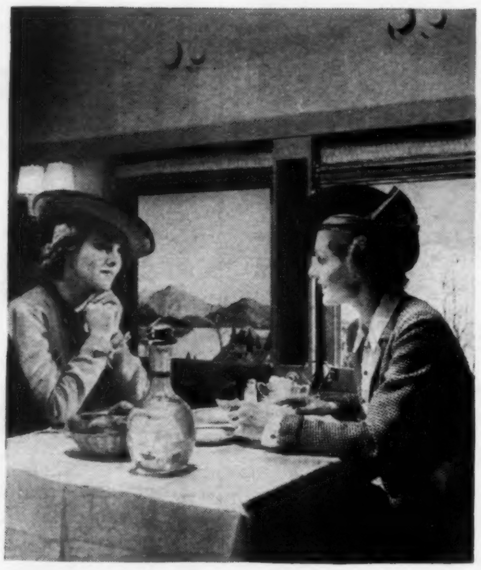




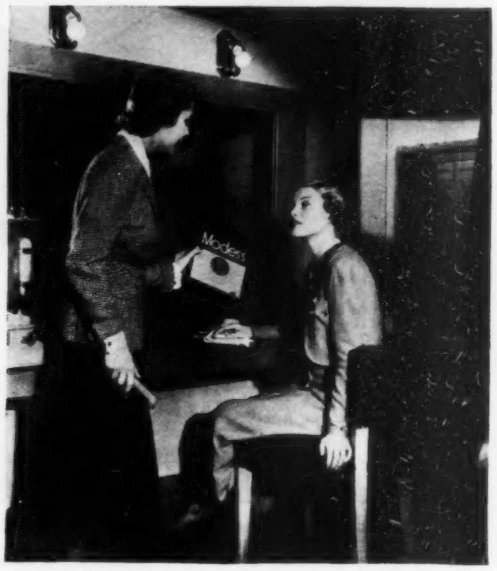
East side of the house before and after remodeling

"I wish I knew who she was —that girl in Lower 10"

"Last summer I went to the coast on my vacation. Unfortunately—I had to begin that long trip across the continent at the very worst time of the month. Five days of discomfort—how I dreaded them!



"In the diner the first evening, I happened to sit at the same table with a beautiful girl who had lower 10 in my car. Somehow, we started talking—and I found her just as charming as she was pretty.



"Later, we met again in the dressing room. I confessed I wasn't enjoying the trip—and told her frankly why. Lucky I did! If I hadn't complained of chafing . . . Modess might never have come into my life!

"I'll always be grateful to that girl! Not only did she give me some Modess pads—but she showed me why Modess is so much *softer!* Cutting a pad in two, she showed me the fluffy, soft-as-down filler . . . so different from the crepey layers in the napkins I'd been in the habit of buying. No wonder Modess doesn't chafe!

"Then—before my amazed eyes—she proved why Modess is so much *safer* than those other pads! Removing the moisture-proof backing, she actually poured water on it! Moisture-proof is right! That test showed plainly why there could be no 'striking through' with Modess. What peace of mind that knowledge brings!

"I had the notion that girl was going on to the coast, too. But, early the next morning, I happened to look out and see her stepping off the train. And I hadn't even learned her name. I do wish I had . . . for I've often wanted to write and thank her for showing me what makes Modess so much *softer* and *safer!*"

Get in the habit of saying "Modess"!

"You mean to say this attractive boiler gives you both HEAT and HOT WATER?"

"Yes, indeed it does . . . wonderful heat, and oodles of hot water all through the year . . . and you'll hardly believe me when I tell you how low our fuel bills are. Do you wonder we're so enthusiastic about it? Bob says our FITZGIBBONS is the best investment we ever made."

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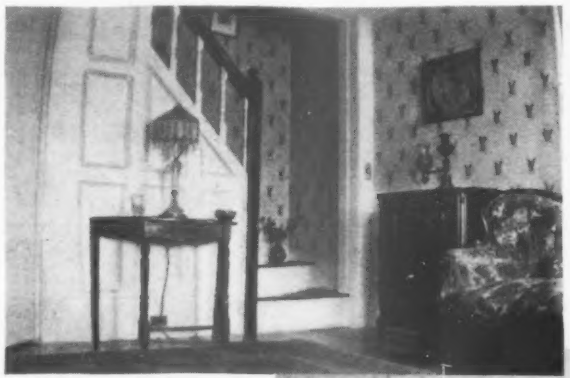
split lath and plaster, indicating that it had been hidden for at least a hundred years. It had only one coat of slate-gray paint. Note the old two-panel door immediately to the left of the fireplace. Although a dummy now, it orginally led to a small closet under the staircase.

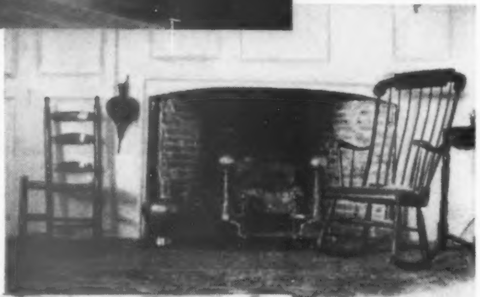
Retracing our steps through the front entry and turning left, we walk into the dining room. Except for cutting a door into the kitchen, there was very little to do here after opening up the fireplace. As far as can be determined, all the ceilings in the house are original and free from any major defects, so that it was just a case of scraping and calcimining. The reason for the good condition of the ceiling is probably due to the very solid construction of the whole house. The second floor timbers are of 3 x 8 inch hard pine and the main frame is mostly oak, so hard now that it will resist a wire nail, even though showing worm holes and dry rot.

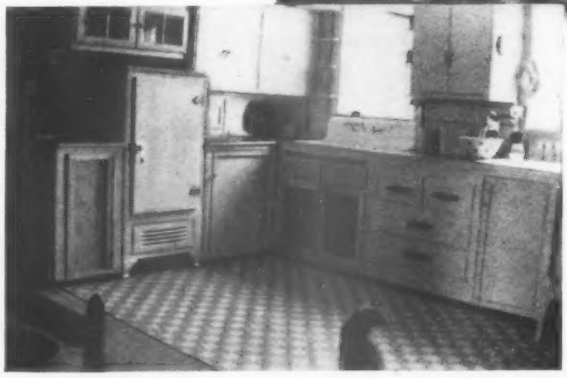
As we follow along, passing through the dining room we arrive in the kitchen. Along the outside wall and one end we have the more recent style built for convenience. If we do an about face, we find the original cooking equipment, oven and all.

As we pass along through the kitchen into the back entry—breakfast room—to the back door, we see a brick patio with terraced garden and grass plot. The attached garage was built from a convenient ell formerly used as a kitchen. We salvaged a great many bricks from a chimney here and used them for paving the patio and garage entrance. There was considerable grading done in the yard and garden. It was necessary to build a low stone wall. The rubble stone used on the dike was the original yard paving.

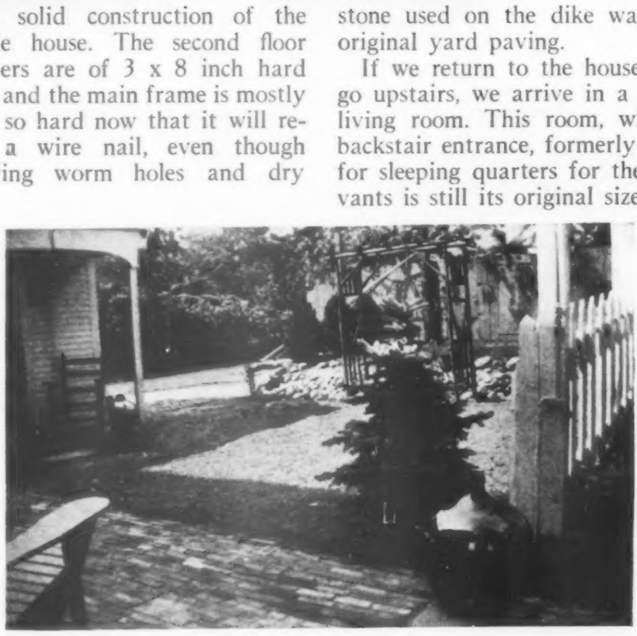
If we return to the house and go upstairs, we arrive in a large living room. This room, with a backstair entrance, formerly used for sleeping quarters for the servants is still its original size, ap-







The new staircase copied from an old house in Newburyport. Living room fireplace with the original paneling above. One side of the kitchen was modernized; the opposite side is devoted to the original equipment



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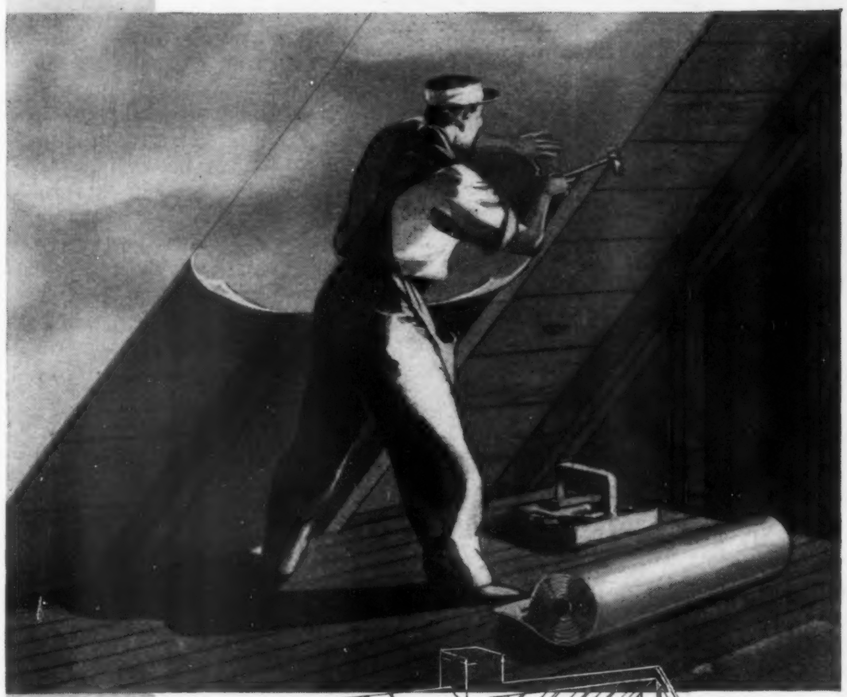

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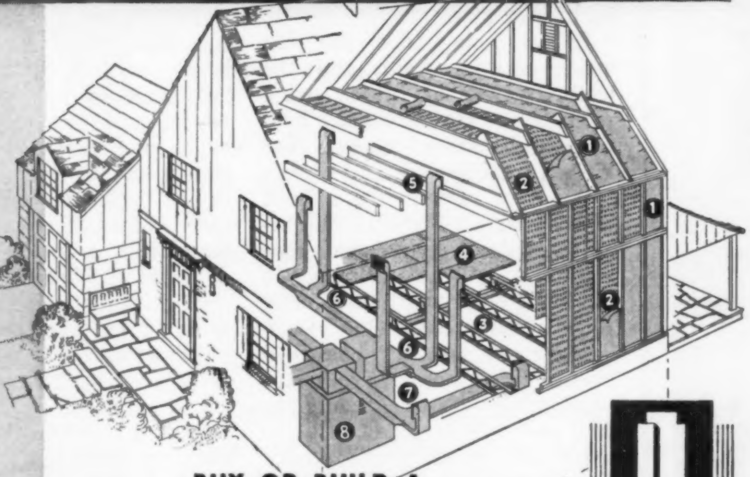

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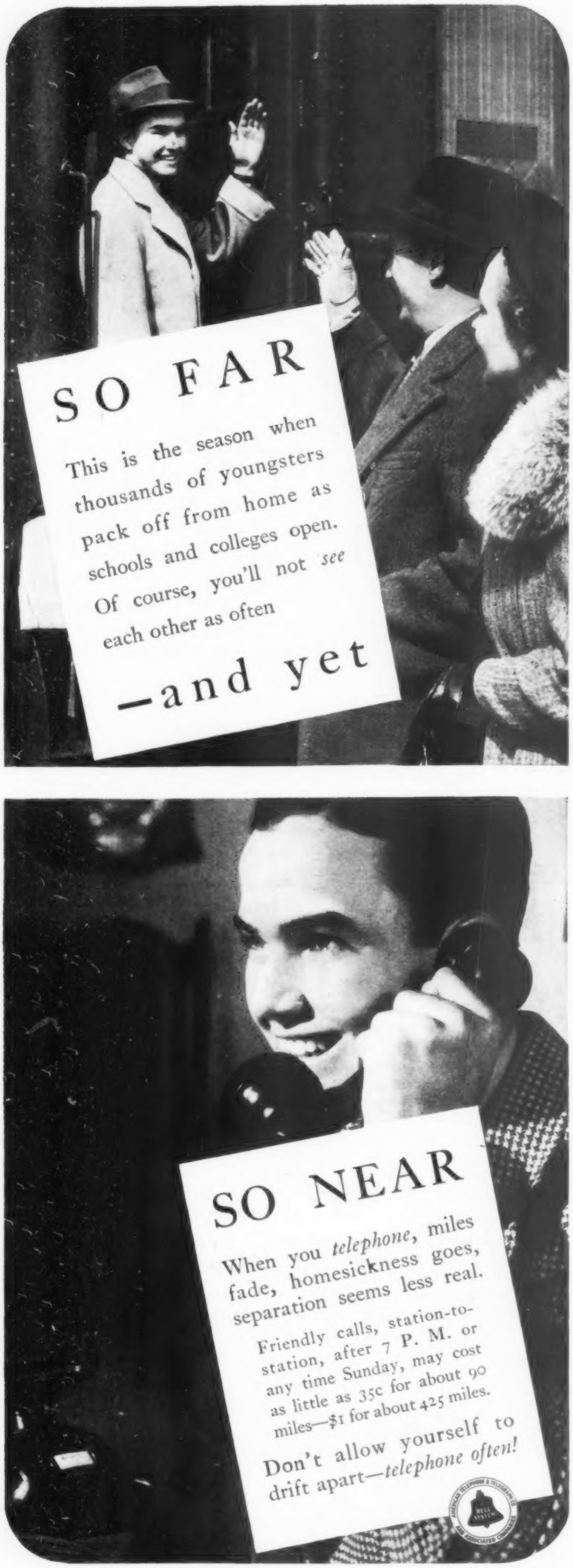
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Don't allow yourself to drift apart—*telephone often!*

proximately 15 x 28 feet. It is our favorite, a real living room, comfortable and convenient!

The floors through the entire house are the original wide pine boards with step joints and handwrought nail heads still visible. They are in good condition and are painted. The kitchen, where we have linoleum laid in a plank effect pattern, is the one exception.

A $4,000 budget house in the San Fernando Valley

[*Continued from page 19*]

effective use of Western pine for the high wainscoting in the dining room is another interesting note. For the exterior, stucco in an off-white shade is combined with whitewashed brick (for the bulkhead under the bay window) and white pine siding. The chimney is in whitewashed brick, while the entryway is of green cement. The cedar shingled roof and shuttered effect at the entrance likewise are stained green. The floors throughout are of oak planks, while the interior woodwork is of Western pine painted white. The broad-beamed ceiling of the living room, of Ponderosa pine, also painted white, shows its beams running lengthwise. The paneled effect over the fireplace in the living room is achieved by the use of art plywood, joined together to simulate paneling. The mantelpiece itself is of pine.

In the dining room the pine wainscoting is white and the walls, as well as in the living room, are of interior stucco. Bedroom walls are of plaster. The kitchen combines tile and pine.

We come now to the interior done by Barker Brothers. Mahogany with decidedly red tones contributes warmth and rich color to the living room and dining room. Blue is the accent color in the living room, brought out in a lawson sofa upholstered in a tapestry fabric with small white figures and blue background. Two chairs are similarly upholstered. The sofa fits into the deep bay window, while one of the chairs stands at the fireplace. At the other side of the fireplace is a Sleepy Hollow rocker upholstered in plain eggplant denim, while another major piece in this room is a Governor Winthrop secretary. On the opposite side of the room, which leads into the dining room, is a Sheraton folding top console table which may be pressed into service as a card table. Across the deep bay are very full, deeply ruffled criss-cross glass curtains of point d'esprit in an off-white. The same type of glass curtains is used in the dining room. A tilt-top table and a three-tier stand with Chippendale claw ball foot are accommodated in a corner adjoining the fireplace. Other occasional pieces include a pedestal table with fretted galleries, at each side of the sofa, holding white porcelain lamps. A Duncan Phyfe glass-top coffee table, with brass feet and brass rods in its lyre ends; another small mahogany table, with fretted gallery, alongside the main fireplace chair; a small Victorian chair near the window, upholstered in a tapestry fabric with red, green and white design against black, and a gold oval mirror over the mantel, flanked on each side by crystal hurricane lamps complete the furnishings. On the floor is an Axminster rug with hooked pattern in broadloom leave, the same type being used also in the dining room.

The dining room is furnished with a small Sheraton table of mahogany with Duncan Phyfe chairs that have an Empire feeling. A what-not against the wall holds floral pattern chinaware which catches the mood of the picture plates to be seen on the opposite wall.

Adjoining the living room is a combination den and guest room, furnished in maple and so arranged that it may be converted easily into an extra bedroom. The color scheme in this room is brown and yellow, being picked up in the soft cushioned studio couch which is upholstered in yellow linen with brown snowflake marking, and the draperies at the window. These are of Morton Sundour fabric in Bonniebrook pattern with a brown horizontal wavy stripe appearing on an ecru background against which are small flowers worked in brown and yellow. At each side of the daybed is a maple bookcase, while in front of this service piece is a maple coffee table. A maple wheel mirror and maple chest with hanging mirror above, fitted with tiny cubicles for knickknacks, are other details, while a wing chair upholstered in the drapery fabric and a green braided rag rug on the floor complete the furnishings.

Blue and white is the color scheme for the main bedroom, located at the back of the house. This room is furnished in mahogany. The pieces here include a four-poster bed, mahogany night stand, five-drawer chest, and Duncan Phyfe side chairs. A thirty-inch unframed circular mirror hangs over the kidney-shaped dressing table against one wall. On the opposite wall are two blue and white floral prints. The candlewick bedspread is blue and white in a criss-cross design, while the dotted marquisette glass curtains and the long, full

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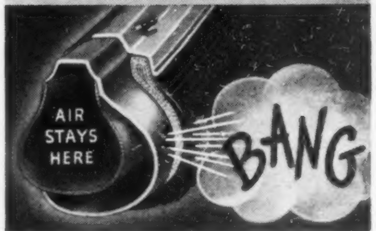

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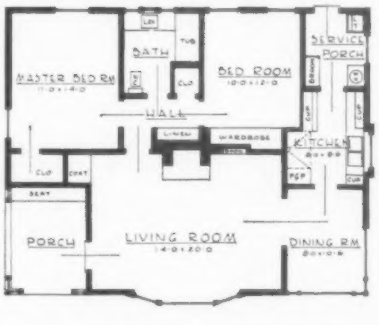
ruffled skirt of the dressing table repeat this combination. The latter matches the glass curtains, while the lamp shade near the window also repeats the blue and white dotted application. The chintz draperies present a wallpaper design in huge splashes of blue, red, and green flowers, posed on an ecru ground. The white chintz chair at the window, edged in blue, has a companion piece in the oval dressing table stool with its white chintz flounce and a braided rug picks up the blue and white motif of the major furnishings.



Every inch is used to advantage in this compact plan for a small house. It is designed for comfortable living

A modern "down east" house

[*Continued from page 38*]

plete reassurance that it was not decoration, but modern home comforts and conveniences that dominated the creation of this house. As the plans of the first floor reveal, one chimney serves two fireplaces—the one in the living room cleverly dovetailing with that in the dining room. The other chimney services the boiler room and kitchen. Juxtaposing these two important units of household life where the cooking and laundering occur, definitely proves the modernity of the structure.

The servants are especially well cared for by two corner rooms and an adjoining bath in this same boiler-room wing, leaving the entire upper floors of the central block and other wing to the master and his guests. Theirs are the three large bedrooms with ample closet space and two bathrooms which by inner doors can be combined in various suite arrangements. So much for the house as it now is.

Further developments, indicated by lighter shading on the first floor plan, signify an additional wing for bedrooms connecting with the present living quarters by means of a brick terrace, and a two-car garage situated near the servants' section of the residence. These supplementary structures with axes perpendicular to the length of the present house will form a court laid out in decorous walks and gardens.

Are you sure you're insured?

[*Continued from page 10*]

the application may have sincerely entertained, the verbal agreement whereby the owners of the other undivided half interest undertook to convey their interest to their other co-owners . . . conferred no title, either legal or equitable; . . .

"While it is true that, in construing contracts of this character, courts will not scrutinize with critical nicety the mere question of title, yet where it clearly and indisputably appears that the insured owned only an undivided half interest in the property sought to be insured, while in their application for insurance it was stated by them that they were the sole and unconditional owners of the property, courts will not and cannot shut their eyes to so glaring a mis-statement of an essential fact, however sincerely made. . . .

"The verdict should have been for the defendant, (insurance company) as no other could have properly been allowed to stand, on the transcript before us. The court therefore might and should have given a peremptory charge for the defendant, if same had been made. Reversed and remanded." (Supreme Court of Mississippi, 26 So. 932.)

To sum up

The foregoing cases constitute a fair presentation of how the courts usually reason in situations of this kind. True, in a given case, perhaps under facts peculiar to itself or some statute, a homeowner may collect on a policy of insurance, even though a sole and unconditional ownership clause has, strictly speaking, been violated. However, in the main, the violation of such a clause will void the policy.

Truly then, a homeowner may well watch his or her p's and q's when contracting for fire insurance. Unless the insured is the sole owner of the property sought to be covered, beyond any question of doubt, the subject of title should be canvassed carefully when an application is signed. This to the end that the policy may speak the truth, in respect to the interest of the insured in the property covered thereby. In other words, whenever you take out a fire insurance policy *be sure you're insured.*

"HOME, SWEET HOME," almost as much a part of American tradition as the flag itself—yet since those immortal lines were scored, the advancements of architectural science and the development of better materials have made today's house a far more comfortable, livable home.

•

A restoration of John Howard Payne's "Home, Sweet Home" on Long Island.

Homes, Sweet Homes

HOMES being built today are designed to take much from the drudgery of housekeeping and give more to the art of living. You can thank your architect for that — for he builds the modern home by placing walls around your needs. Gone forever is the house of the "Nineties"—today's roofs are designed for efficiency —today's walls to keep heat in or out. Yes, and in those walls are better windows, properly placed to make the most of sunshine and surroundings.

Study these new homes; you will find glass used generously yet inexpensively—corner areas sparkle with glass—a Picture Window frames a favored view—part of a wall is mirrored to magnify the room. Vitrolite, that colorful and practical structural glass, makes kitchen and bathroom clean and bright as a crystal pool. Everywhere, it's glass, playing little parts and big, brightening and making living more cheerful. When you build, remember architectural guidance, a competent builder and good materials are your best assurance of lasting satisfaction with your building investment. You will long remember the savings they will effect.

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NEW AND NOVEL USES FOR GLASS, both decorative and practical. A glass pushplate on the door to the kitchen never tarnishes. Glass drawer fronts on a closet chest; you can tell at a glance what each drawer contains. A Vitrolux ceiling for your bathroom. Many other practical suggestions which utilize the sparkling beauty of glass will gladly be offered by your decorator or local L·O·F Glass Distributor.

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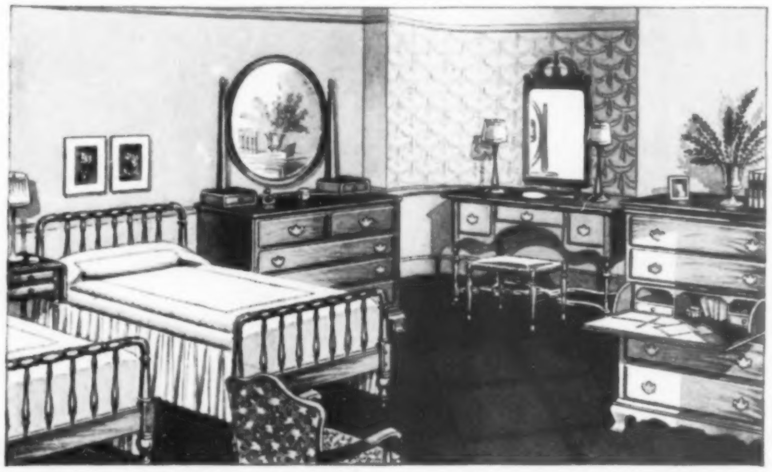

[*Above:* Whitney Bed Room Group. No. 6320 dresser $72; 6328 standing mirror $42; 6324 chest with desk compartment $98; 6335½ twin bed $42; 6141 night stand $27; 6336 dressing table $52; 6211 mirror $28.40; 6337 bench $16.60; 3724 chair $16.50]

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Whitney Maple is made where those Colonial styles originated. It is made in New England by craftsmen of New England, who inherit the skill and preserve the hand operations of their forefathers. It is reproduced from originals created for New England mansions furnished in the best of taste.

There are Whitney styles for the cottage and country home reproduced from the simpler, more rugged old designs and which achieve both utility and beauty. For quaintness, for smartness and correctness, choose Whitney Maple. Redecorate your home or room completely, or build a Whitney collection piece by piece.

Whitney Dining Room Group No. 7010 buffet $76; 7143 Duncan Phyfe drop leaf table $49.60; 7081 serving table $34.80; 6214 mirror $29.70; 7163 spindle back chair $23.50; 7164 arm chair $28.50.

Whitney Living Room Group. No. 3763 Mystic love seat $73; 3761 Mystic wing chair $51.30; 739 drôp lid desk $84; 6112 mirror with Currier & Ives print $22.40; 7230 chair $11.80; 3633 end table $14.20; 3734 coffee table $18

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Strawberry valance

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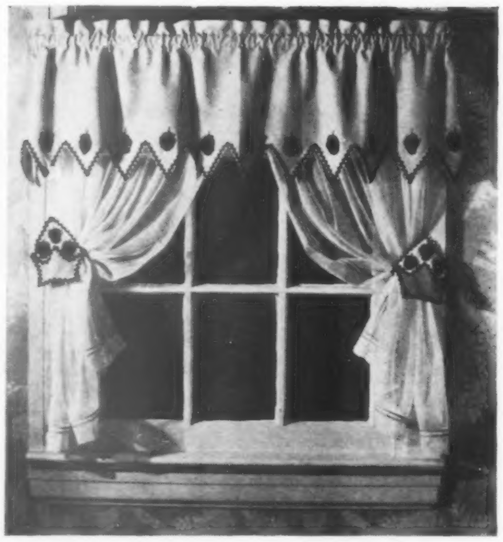


HERE is a valance with matching tie-backs, most suitable and altogether charming for either breakfast room, kitchen, or country cottage dining rooms. The valance, made up in a cool shade of solid green gingham is about fifteen inches deep, and forty-six inches across, after allowing for hems. The bottom is cut in points, and edged with black rickrack, while at each point, a luscious looking red strawberry, made entirely of red rickrack, with leaves of green rickrack, and stems embroidered with green thread, using stem stitch, is worked on to the green background.

The tie-backs are made to simulate green baskets, filled with large, red strawberries. The background of the baskets is of white gingham, while the baskets themselves are of green gingham bordered with black rickrack outlining baskets and handles. A length of rickrack is snapped on at back of tie-backs to hold curtains. Three rickrack strawberries are made on each white background, making them appear to be at the tops of the baskets.

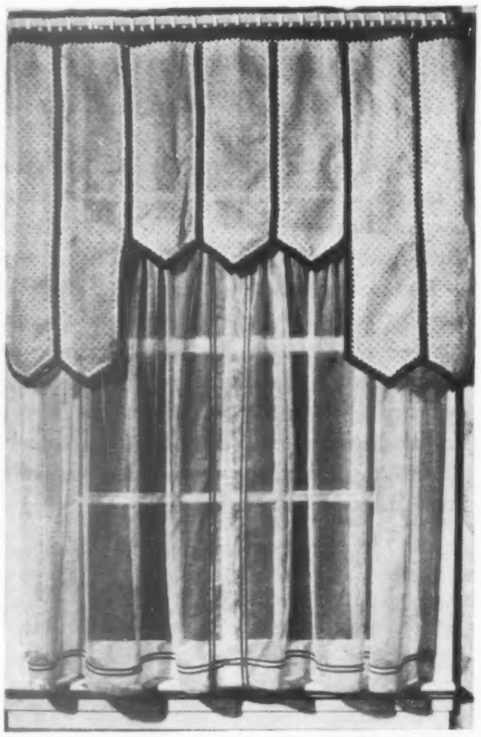
The rickrack strawberries

Five rows of rickrack are used in making one strawberry. Beginning at the tip end of the strawberry, use one point of rickrack (center of point down), allowing plenty for turning under to avoid raw edges. The second row has two points and fits into the first row. The third row has three points, fitting into the second row. The fourth and fifth rows are now similarly applied, with great care being taken to turn under all raw edges. All stitches on the strawberries are more effective if done with yellow thread. Next, the green rickrack is used at the top of the strawberry, to resemble green leaves. Gather four points of rickrack at top, drawing together; tack securely and sew to top of strawberry. This makes very realistic leaves and, when a few green stitches are taken at the top center of the leaves, making a stem, the strawberry is complete.

Tailored valance

A YARD of white dotted swiss with red dots makes this smartly tailored kitchen valance. Four long panels, two at each end and three shorter ones in the center, are first bound with white bias tape after which red rickrack braid is sewed by the points all around the edges. Panels are then joined together. A clever arrangement for the rod is to place a row of inch-length white bias trim between two rows of the red rickrack—sewing the strips to the points for even spacing; four rows being sewn together point to point at the bottom and two rows at the top. The band is then attached to the valance body. To finish, sew a strip of French blue bias tape around the edge.

FLORENCE I. DUNN



F. M. Demarest

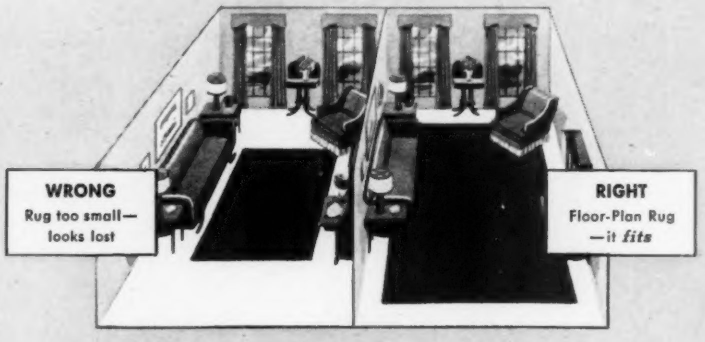
"Everybody wants to go to Cynthia's parties!"

Even John, who hates to go out, always seemed glad to go to Cynthia's. So one night coming back from Cynthia's I asked him what was the secret of her charm—it had *me* guessing.

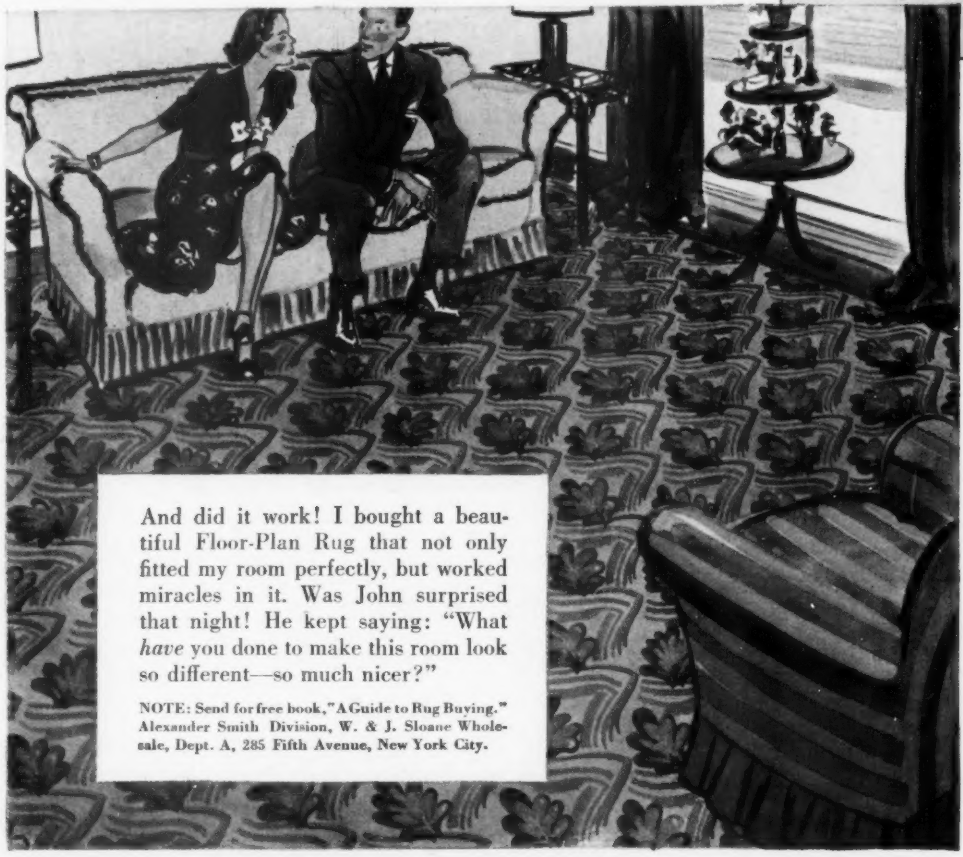
He said he enjoyed going to a house that seemed so restful, so well balanced, so charming. And then I *was* burned up, because I know that Cynthia's furniture isn't a bit better than mine!

The next day I talked it over with Helen. "Well," she said, "there *is* something about Cynthia's house . . . no fooling. Maybe it's because she used to be a decorator. Let's ask her."

So we did, and Cynthia said: "Always start with a rug that *fits* your room. Alexander Smith Floor-Plan Rugs come ready-made in lots of different sizes that used to require a made-to-order rug."



"Floor-Plan Rugs are moderately priced, too. They are made in 23 sizes by Alexander Smith, the carpet people. There is a Floor-Plan size exactly right for nine out of ten rooms, and a grand choice of plain colors, textured rugs, and patterns, all woven the TRU-TONE way. It's easy to find one that looks as if it were made for your room."



And did it work! I bought a beautiful Floor-Plan Rug that not only fitted my room perfectly, but worked miracles in it. Was John surprised that night! He kept saying: "What *have* you done to make this room look so different—so much nicer?"

NOTE: Send for free book, "A Guide to Rug Buying." Alexander Smith Division, W. & J. Sloane Wholesale, Dept. A, 285 Fifth Avenue, New York City.

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THE WELL-DRESSED WINDOW WEARS A FRESH CLOTH SHADE

Roofs - - -

[Continued from page 29]

after ninety-one years of exposure without paint. Washington's home at Mt. Vernon, roofed in 1743; the old Perique House at Lutcher, Louisiana, erected about 1750; Old Greenhill Church at Greenhill, Maryland, of the vintage of 1733, are among other examples, although their roofs have been patched in the meantime. Louisiana, incidentally, produces most of such shingles used at the present time.

Because of being handsplit with the grain, both cypress and red cedar shakes are guaranteed against damage by fire originating on the roof or sidewalls. That means that chimney sparks and firebrands will not ignite them. And the guarantee against damage extends to wind, hail, and other severe weather, because of their tough fiber. The thickness, of course, is an added insulating quality.

One of the peculiarities of thatch is that it requires no gutters or downspouts. The reeds absorb the rain, and although the weight naturally increases when the roof is wet, no special supporting construction is needed.

Even thatched roofs today are made fire-resistant. Everyone who has visited Ann Hathaway's cottage at Shottery in England has fallen in love with its thatched roof. It is an especially attractive roofing for stuccoed and half-timbered Elizabethan types of homes. Modern industry has made it entirely practical by cementing palmyra reeds on asbestos shingles which are easily laid. One of the first uses of this modern form of thatch was on a laundry depot at Piedmont, Quebec. Soon after it was installed, an overheated stove set the frame building on fire and it burned to the ground. Engineers in their report preparatory to rebuilding, stated that "in clearing the site it was found that in general everything in the building was completely consumed with the exception of the thatched roofing, which while no longer of any use, because of being scorched, singed, and broken up, was not entirely burned."

Absolutely fireproof roofs are mandatory by law in many communities. Here an interesting shingle used in the Restoration of Williamsburg, Virginia, solves an architectural problem. Similar in appearance to aged wood roofing, this is an asbestos shingle made to simulate rough-grained and weathered cedar. It was adopted for the historic buildings of Williamsburg because of being both fireproof and permanently weather-gray. This shingle is not as thick as the handsplit one, but offers an authentic Colonial effect. The architects of the Williamsburg Restoration explain they had decided that the handsplit shingles originally used on those old buildings would be used again—"if not in actuality, at least in appearance." So they adopted the rough surfaced asbestos type for all Colonial homes. The major buildings, however, are roofed with antique shingle type tiles.

Roofing manufacturers have placed asbestos siding on the market cut to resemble random width shingles. This is an effective material for Colonial architecture. It is available in white, gray, brown, or green, and requires no paint, the color being consistent all the way through. It is nailed on in the same way ordinary siding is applied and any carpenter can handle it. In view of the fact that it is fireproof and will not split, it offers a permanent siding for a home.

One of the oldest roofing materials in the world is tile. Sunbaked slabs of clay were used by the ancient Babylonians and Egyptians before tile was adopted by the Greeks and Romans. There are tiles in Egypt today which archeologists say were there at the time of the exodus of Moses and the Israelites. In China, tile appeared in the earliest civilization.

There are tile-roofed temples in the Orient today in which Confucius is said to have taught his philosophies.

The variety in roofing tile is extremely wide. In addition to the shingle types there are the conventional French, Spanish, Cuban, and Mission "pans," as the roofers call them. Modern builders are utilizing quaint and antique types of tile for our newest roofs. These types are irregular in shape and texture, usually warped and deep in color. Various shades of dark red, brown-blacks, and deep greens are popular in the antique tiles. Colonial styles reproduce the tone of split shingles with a suggestion of moss and lichens that grew on the oldest American roofs.

Slate is another historic roofing material. There is an old Saxon chapel at Stratford-on-Avon in England with a slate roof that was laid in the Eighth Century A.D. It is still in good condition today. Slate is as English as thatch. Rich deposits of it were discovered in England at an early date and it became widely used for roofing in the Gothic Age. Since then it has been inseparably linked with English architecture. Slate offers an extensive range of colors. There are greens, reds, purples, grays, browns, blacks, and many combinations. An attractive roof can

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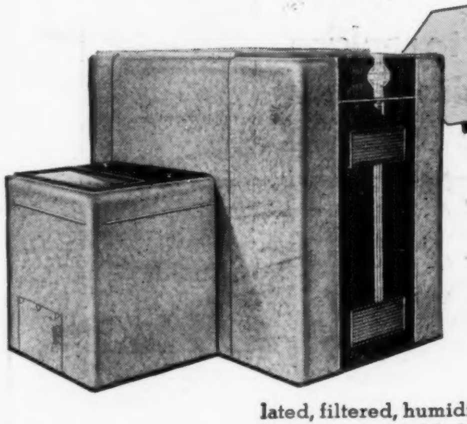

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For those who prefer automatic oil heat, Mueller has two units that provide complete winter air conditioning—and at no greater cost than for heating alone! Series "20," (shown at the left) and Series "O," Mueller's self-contained air conditioning oil furnace of patented revolutionary design, will send warm, circulated, filtered, humidified air to every room in your home at remarkably low operating cost. Before you buy any furnace get the facts about these two remarkable units.

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Offices and Agencies in Principal Cities. In Canada: Anaconda American Brass Ltd., New Toronto, Ont.

be produced by using assorted colors, laid at random. Like flagstone, slate occasionally crops out in a rare vein of unusual color. Because of the limited supply in such veins the entire output is often promptly purchased. The only disadvantage in using such rare shades, however, is that in the event of repair or extension it may be impossible to match them. Almost all colored roofing slate in this country is quarried from a narrow strip of Rutland County, Vermont—an area less than a mile wide and only thirty miles long.

Slate, being a fine grained metamorphic stone, is easily split in almost perfect cleavage. This makes it available in thin regular shapes as well as in thick rough-edged slabs that can be graduated upward on a roof to produce a heavy stone effect. The thickest slate, of course, is the most expensive. It is used up to two inches in thickness, while standard slate shingles are about a quarter-inch.

A comparatively inexpensive, yet permanent roof may be obtained by using asphalt shingles. These are surfaced with colorful, fire-resisting minerals, and afford wide latitude in architectural treatment, from subdued tones to the bizarre. They are widely distributed by the big roofing manufacturers and are popular for moderately priced homes.

A beautiful natural green roof is possible by the use of sheet copper which oxidizes by exposure to the weather. Corrugated copper shingles, with flanged butts of a thickness equal to handsplit shingles also are on the market. They are bright and shiny when laid, but soon soften to a mellow green. Some of them are available already patinated to offer a short cut to weathering. Thorough installation of gutters is important with the use of copper, however, to avoid stains on any white siding below. Lead-coated copper does not oxidize as readily as the naked form and is used a great deal for permanent roofs such as those on churches and auditoriums. Part of the roof of the United States Capitol in Washington is covered with the original copper which was placed there in 1827.

The first axiom in laying any kind of roof is to lay it on the best quality of roofing felt or suitable building paper. Proper workmanship will then seal it securely against rain and wind. Building paper has been developed today which cannot be torn in any direction. It is waterproof, consisting of a network of tough, wirelike fibers sealed with asphalt between two layers of impregnated paper.

And don't worry about heat from a blazing sun passing through your roof, unless you plan to use your attic. The most efficient place for insulation is in the attic floor, rather than under the roof sheathing, for an adequately ventilated attic providing abundant air space will allow the roof to act like a tent fly and you can forget about the torrid rays of the summer sun.

Mellow brownness and a "feel of age" in this new home

[*Continued from page 17*]

of the garage and stepping stones of a soft reddish color lead to the front entrance. In the rear of the house the terrace was extended to create a small court at the level of the house which is also sheltered by one wing of the building. From here on, the natural contours of the hillside step up in a series of terraces planted with flowers and fruit trees.

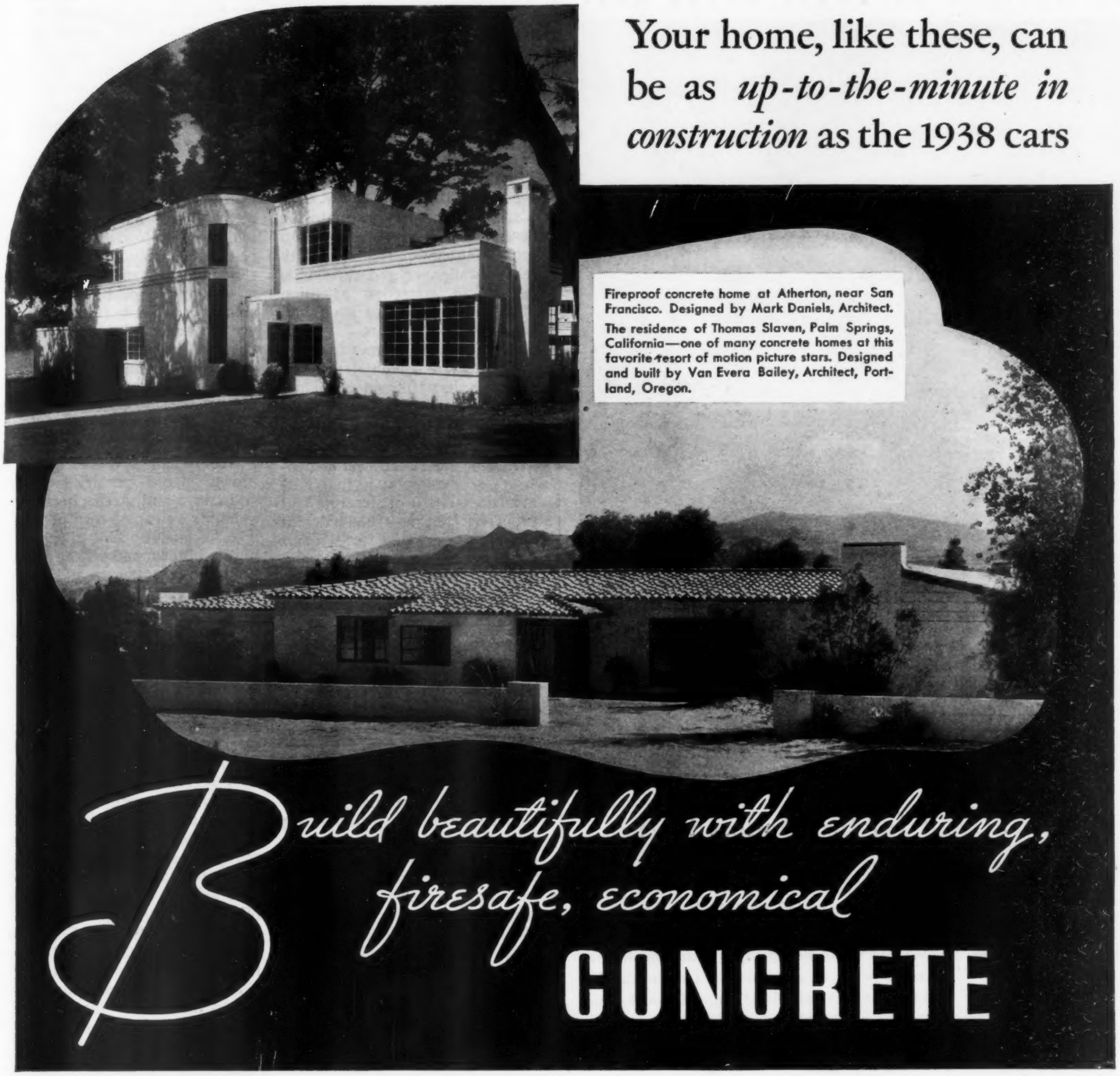
There is something very satisfying in the mellow brownness of this house with its oyster white trim in a land of brilliant sunshine where the white houses and red roofs further emphasize the feeling of tense brightness. The restful tones of the cedar shingles of the roof have been accomplished by staining them with a bleaching oil to hasten the weathering process, while the outer walls are covered with split redwood shakes which have been merely oiled and left in the natural soft hues of redwood.

The front door detail and the iron railing are the only decorative architectural features and this very restraint gives interest to the house. The bay window is a variation in the severity of the lines which is also worth noting. The dormers are unusual in that the bottom of the sash is just above the eave line. In the second floor the walls inside these rooms have been thickened to give proper ceiling height and so deep embrasures have been formed at the dormers which afford closet room, wardrobes, and cases, with chests of drawers set in the embrasures.

As to plan, the glazed porch and dining room both open onto the garden and the position of the service porch saves the rear of the hillside from unpleasant service uses. Much more space has been obtained by the expediency of cutting the hillside level for the house site.

In the interiors the Colonial handling of all detail is authentic and extremely effective as a background for the fine piece of furniture. The living room is distinguished by a fine old example of Colonial craftsmanship—the

Your home, like these, can be as *up-to-the-minute in construction* as the 1938 cars



Fireproof concrete home at Atherton, near San Francisco. Designed by Mark Daniels, Architect.

The residence of Thomas Slaven, Palm Springs, California—one of many concrete homes at this favorite resort of motion picture stars. Designed and built by Van Evera Bailey, Architect, Portland, Oregon.

CHANGE! Progress! That's the order of the day in home planning—new designs, new equipment, new furnishings. Yet the *most important* progress has come in none of these, but in *construction*, the factor that above all others determines how much satisfaction your home will give through the years.

The modern way to build is with concrete. Concrete's firesafety protects your family, your priceless personal belongings. With ordinary insulation a concrete home keeps warm as toast in winter, cool in summer. Your investment is secure against termites, storms, decay. And what fun to keep house in a rigidly-built home where the baseboards never pull away, where sagging floors, misfit doors and jammed windows are but a memory!

The astonishing thing is, concrete's advantages can be had at slight additional first cost. The few dollars added to your monthly payments are more than repaid by savings in the form of much lower upkeep, slower depreciation and high resale value. Before you plan to build, investigate concrete. Let us send you a booklet of design ideas.

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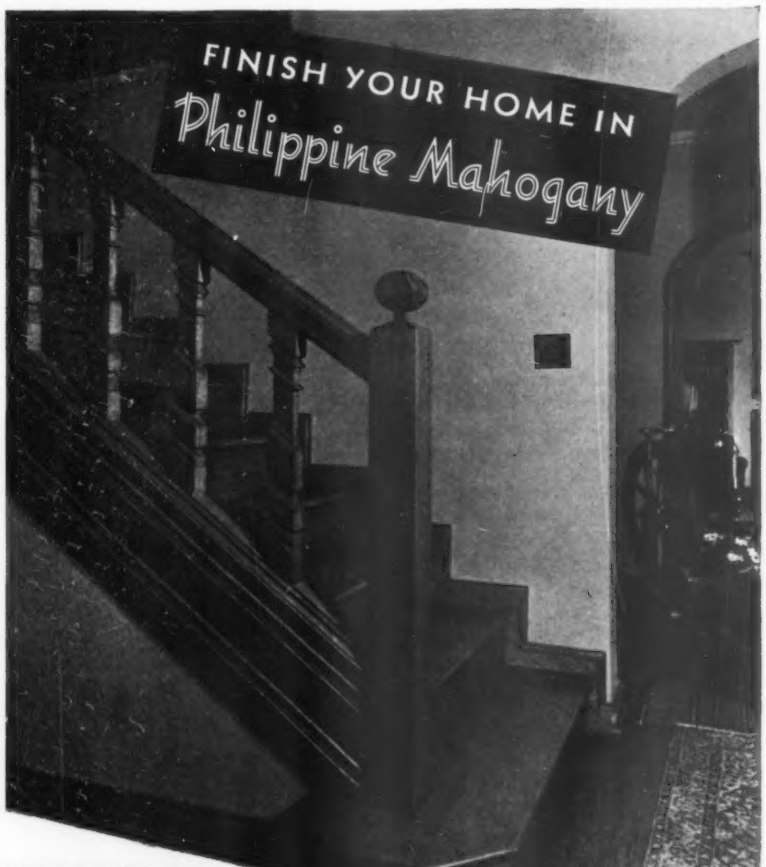
. . . *Get the right builder.* Ask a local concrete products manufacturer or a concrete contractor to name builders, realtors and architects experienced in concrete. Tell them that you want concrete floors (any floor covering you wish), concrete walls and a firesafe roof.

. . . Buy your home as you would buy a new car—on a basis of advanced construction and sound value as well as appearance—and your home will be *concrete*, the fastest-growing accepted type of home construction.

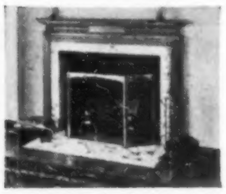
PORTLAND CEMENT ASSOCIATION
Department 9-5, 33 West Grand Avenue, Chicago, Illinois
A national organization to improve and extend the uses of concrete through scientific research and engineering field work.

DISTINCTION AT SMALL ADDED COST



The Philippine Mahogany door bids a warm welcome. It has striking beauty of grain and figure—beauty that lasts through the years.

An air of luxury is imparted in this home by Philippine Mahogany. Despite its richness of appearance, Philippine Mahogany costs little more than softwoods.



Used for mantel and trim of the fireplace. Beautiful and economical Philippine Mahogany lends itself perfectly to the craftsmanship of the wood worker.

Rich Tropical Hardwoods Now Available for the Modest Home

Step up into luxury! It costs surprisingly little. By using Philippine Mahogany for interior finish, you can give your home an entirely new character.

This beautiful, rich wood has an air of luxury for which you would gladly pay a premium. But you do *not* have to pay a premium because of the fact that the enormous stands of Philippine Mahogany are easily accessible, and are logged by modern, economical methods . . . and this saving is passed on to the consumer.

Philippine Mahogany is world-famed for its striking beauty of grain and figure. Many discriminating people use Philippine Mahogany in its natural color. Others stain it.

For all interior finish, use this most economical of the luxurious tropical hardwoods. Use it for trim, and for such fixtures as doors, fireplace mantels, staircases, china closets.

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marble mantelpiece. The chintz covered wing chair at one side of the fireplace is quite at home with a simple modern chair which shows that graceful blending of old Colonial charm with modern comfort is quite feasible.

The dining room has finely detailed corner cabinets which give scale to the room and the long bank of French windows makes the room light and sunny. The placing of the sideboard into the reveal of the window offers an interesting note. The simplicity of the wallpaper and curtains is helpful in attracting attention only to the furniture itself and creates a restful room.

The bedroom shows another fine old marble mantel and the very simple patterned wallpaper serves as a charming background to the massive furniture.

This hillside house and the garage on the street level demonstrate how essential is that harmonious relation of structure and property. Here is a house which has the world at its feet without paying the premium of ups and downs in levels.

Little pitchers have big ears

[Continued from page 43]

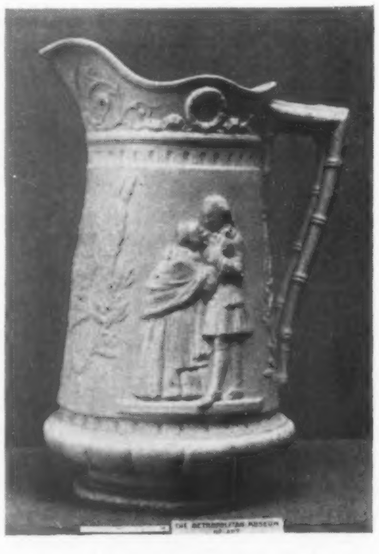
pitcher made by James Bennet East, who produced the first Rockingham ware made in the United States, was frequently seen. East had been a potter in Derbyshire, England, for years and knew his trade. Parian, Belleek ware, eggshell china, and enormous majolica pitchers in blue, brown, and olive mottled glazes were made in great quantities. Scott Callowhill, the English artist, modeled a white earthenware pitcher with canteen mouth, the form resembling a Continental soldier wearing a three-cornered black hat. Niagara Falls and other famous American views were early commemorated in pitchers of majolica. Daniel Low, a silversmith of Salem, Massachusetts, cornered the market on the sale of a pitcher made to signalize the Salem witchcraft episode of early days.

More than a little has been written of Bennington ware. From this famous city of potters came charming designs of Daniel Greatbach, another Englishman whose family for years had been potters. Ornate, yet tasteful, is his "hound pitcher" which was copied time on end, but always crude in appearance when seen beside an original Greatbach. John Sparge, connoisseur of early Bennington pottery, gives three invariable rules for identifying a Bennington "hound pitcher." First, the hound's head is raised well above the forepaws, so finger can be inserted under chin above paws; second, the dog's collar is a chain with well-defined links and not a flat band; third, under part of dog's body is not flattened as in some cases, nor well rounded as in most.

Greatbach was also responsible for the original "cow creamer" which was copied so often. Parian pitchers were made at Bennington, those of Norton and Fenton being carefully modeled, the raised figures standing out against a background of blue, gray, or white. An example is a hexagonal water pitcher with floral design in relief on each panel. Pitchers with mask lip and mask pitchers and syrup jugs of palm tree design were also produced at Bennington. White stoneware pitchers, octagonal in form, called "Apostle Pitchers" had a vogue, also the brown glazed pottery pitchers and cream and green pitchers resembling an ear of corn in relief. The "Daniel Boone" pitchers of mottled brown and yellow caught the popular fancy and "Mr. Boone" was to be seen on almost every table.

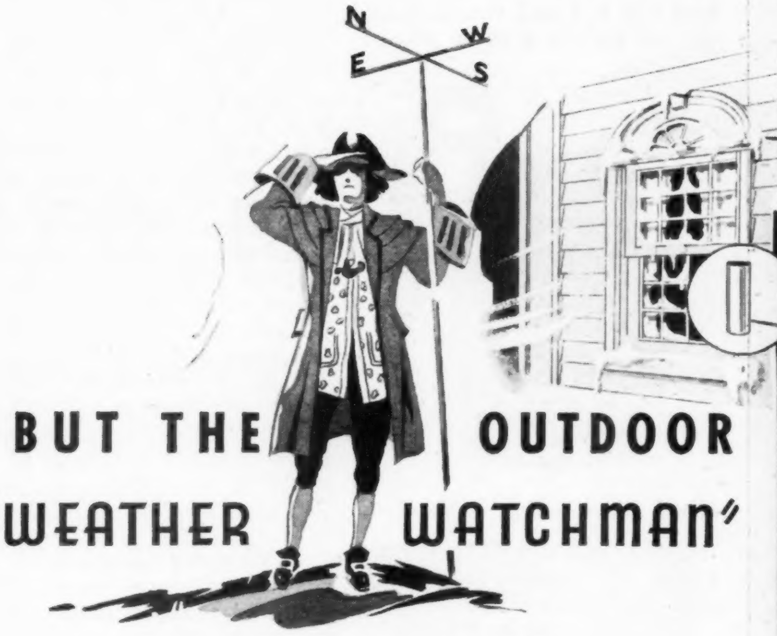
For a time Greatbach worked at the Jersey City Pottery. There he designed an "apostle pitcher." A raised design of tulips and the figure of Christ, and a pitcher with rope and anchor have been attributed to him. In 1892 what had been the original structure of the potteries was wrecked and old pitcher molds worth many thousands of dollars were destroyed. A few, supposed to be Greatbach's, were rescued and are now in the Pennsylvania Museum. These are modeled leaves, animals, and hunting scenes.

In 1914 Mr. Walter C. Hill, a collector of pitchers, sold some fine pieces of Bennington flint-enamel ware, glazes, and brown glazed pitchers of the old New Jersey potteries. Among the col-



Nineteenth Century bisque jug. Martha and George Washington decoration in relief. Courtesy, Metropolitan Museum

Down GOES OUTSIDE TEMPERATURE 30°



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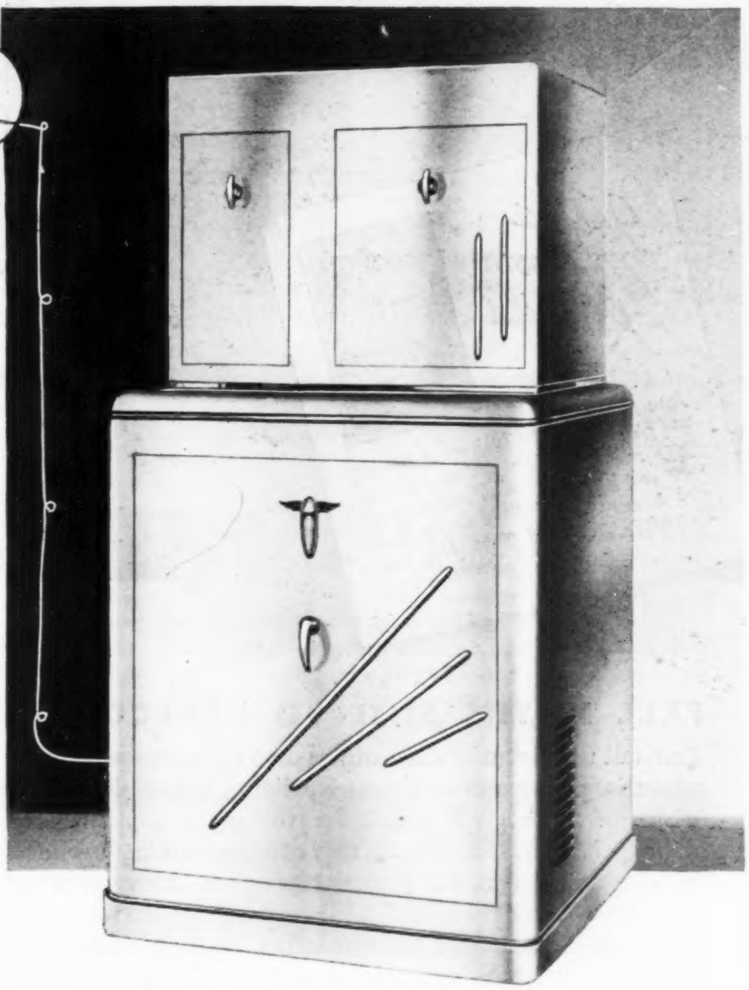

● No temporary "chill" while the heating unit "catches up"—no period of overheating when the outside temperature suddenly rises . . . For, in addition to the usual indoor thermostat, the Janitrol "CF" Winter Air Conditioner gives you the service of the "Weather Watchman," a secondary outdoor regulator which smooths out the heat supply and aids circulation inside your home in direct accordance with outside conditions. The "Weather Watchman" is a compensating system of control found exclusively on the Janitrol "CF." It is actuated from a "sentry box" outside the house. It eliminates the too frequent "on and off" operation of the burner. It provides longer periods of air circulation, preventing indoor air from settling into hot and chilly layers.

You will be delighted with the unvarying uniform comfort maintained by the "Weather Watchman," always on guard to see that the Janitrol "CF" anticipates outdoor conditions and prevents periods of chill or overheating in your home. Ask your architect about this and other superior features found only in Janitrol, the completely modern Winter Air Conditioner which circulates clean, warm, filtered, humidified air under full automatic control throughout every room. See your local gas company. Write for interesting folder, "New Life is in the Air." Surface Combustion Corporation, Toledo, O.

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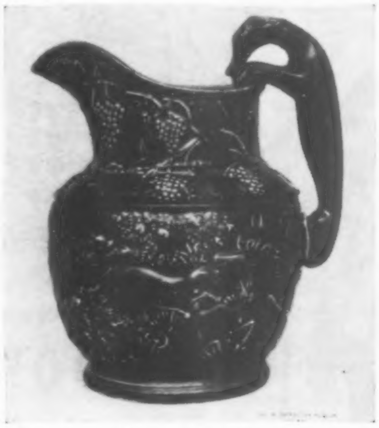
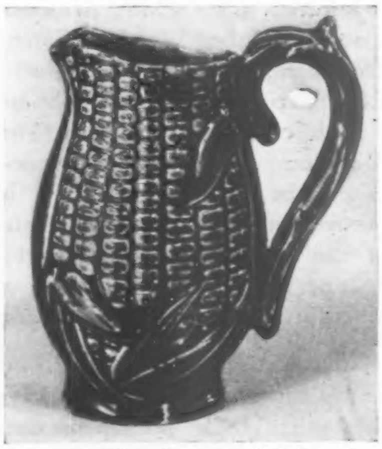
lection were some charming English pieces. This assortment included a cream jug of faith and hope in brown with silver luster bands and a luster creamer with a cow decoration in mottled pink and red luster. There was a Sunderland pitcher of luster entitled "Sailor's Farewell," a silver luster with pineapple design, and another rare luster piece with three colored masks in relief and silver luster decorations by Harrison Hall. One pitcher in the group had two lips and two handles; another colored transfer printed design represented "The narrow escape of Boney (Napoleon) through a window."


Hound pitcher perhaps by Greatboch

There seems to be no end to the story of pitchers. They will continue telling their tales of progress as long as potters remain at their craft. Heavy Victorian water pitchers and bowls on specially built wash-stands tell the story of pre-bathtub days; large, thickly modeled water pitchers herald an age when there was no water "ready at the touch of a faucet." Those ornate chocolate pots had their day before hot chocolate came mixed ready for a cup of hot water or milk; the old side-paddle boats record our early steps in water transportation. So it goes; pitchers of today will tell our story in years to come. Rebekah's pitcher with its little ears would be astonished at our little pitchers with big ears; but both could tell fascinating stories of this old world.


Cream jug. Ear of corn in relief. Popular model in the middle nineteenth century

Two new books

If You're Going to Live in the Country

By THOMAS H. ORMSBEE and RICHMOND HUNTLEY

HERE is one of the friendliest books that could possibly be placed in your hands. It is not top-lofty or "down-to-you," but written from rich experience in home questing and good-naturedly admitting mistakes. And there are many pitfalls. "They are the more baffling," aver the authors, "because they are not problems at all to his country-bred neighbors. The latter assume that any adult with a grain of common sense must know all about such trifles as rotten sills, damp cellars, hornets that nest in the attic, frozen pipes in winter, and wells that fail in dry seasons." "Shopping for Property," "Building vs. Remodeling," "Looking an Old House in the Mouth," "The Week-end Shack or Cabin," "Water," "Sewage or Drainage," "Heating," "Electricity," "Decorations and Furnishings," "Pets and Livestock," etc. Nothing is omitted! Published by Crowell, $2.50.

Everyday First Aid

EVERYDAY some unsuspecting child swallows poison, or a carefree camping party is ruined by a deep cut or wound, or an inexperienced swimmer overestimates his ability to keep afloat, or a car goes into a ditch. These are the accidents that account for over a hundred thousand deaths each year. These are the cases where a knowledge of first aid treatment may save a life.

Walter Frank Cobb's new book, "Everyday First Aid," is one that belongs in every home, along with the necessary equipment for emergencies. Dr. Cobb discusses at length the most common accidents and what to do about them. He covers everything from fainting to burns, with explanations and remedies that the layman can understand. He says that the seven important objectives in first aid are (1) saving life, (2) protecting the injured from additional injury, (3) reducing the seriousness of the injury, (4) providing for the individual's comfort, (5) arranging for transportation, (6) learning the cause of the accident, and (7) securing medical aid. In general, the procedure in giving first aid may be divided into three steps. First you must get the important facts about what has happened and the nature of the injury. Then inspect the patient. Finally, do what is needed—call a doctor, stop the bleeding, give an emetic, or do whatever the case requires.

As well as telling you what to do it tells you what to keep in your medicine chest.

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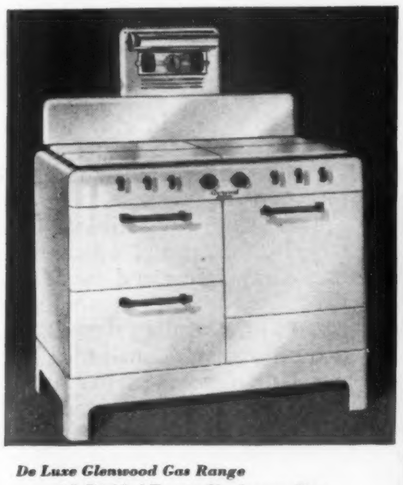
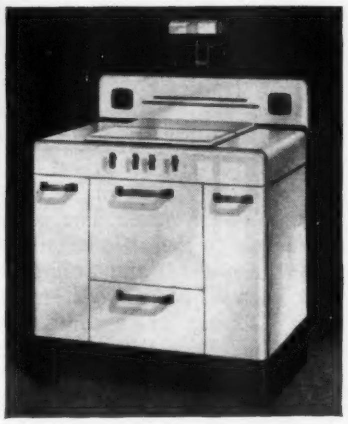


De Luxe Glenwood Gas Range with Divided Top or Six-burner Top.



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THE new Glenwood "Dual Thrift" burners offer a real contribution to the efficiency and economy of top cooking. Faster and more flexible . . . a thousand cooking heats with finger-tip control — from intensely hot down to a mere warming temperature. Prevents boil-overs, scorching . . . reduces pot watching. Either Glenwood straight gas ranges or the extra-service combination models provide the benefits of "Dual Thrift" top cooking.

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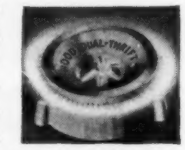

TURN the burner on full and you get intense boiling heat — instantly. Scientifically placed at just the right distance and angle, the flame insures even distribution of heat with a minimum of fuel.

DUAL-THRIFT

TURN the burner down to "click" . . . and the tiny "simmer-center" flame will supply just enough heat to continue the cooking. . . . Cutting down excessive boiling heat saves fuel and valuable food vitamins.

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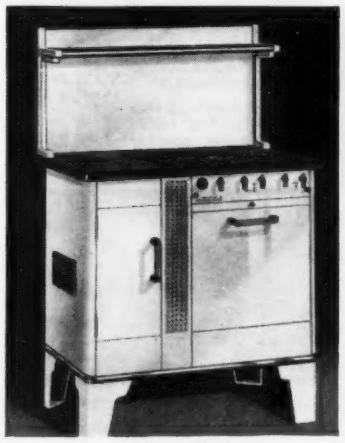
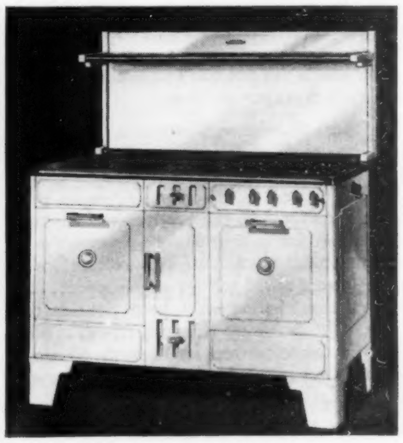


9100 Utility Model — Cooks with gas. Fire box heats the kitchen in cold weather.



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Restful sleep comes when all parts of the body are correctly supported by the mattress and spring at the curve of the neck, waist and knees.
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Restless nights result when a non-conforming bedspring does not supply this proper support to the curve of the body at the neck, waist and knees.

● Sleeping comfort must begin with the bedspring. Unless your mattress and spring are designed to co-ordinate *as a unit*, the result at best is a shallow form of comfort. That's why thousands are discarding obsolete bedsprings for the improved Rome DeLuxe with the patented closed top coils not to be had in other springs. Closed coils and 8 point anchors form an elastic platform base for the mattress that will not shimmy . . . prevents mattress wear . . . no cross slats to squeak . . . absolutely noiseless . . . with grooveless border which will not tear bed clothing . . . tailored smooth . . . easy to clean.

The Rome Slumberon Mattress is the matched *companion* piece of the DeLuxe Bedspring. No other mattress at the price has the famous Ortho-Flex health unit . . . 4-point suspension principle which localizes the pressure and supports any person for correct posture, irrespective of weight. Slumberon has a feather-soft surface . . . compartment sewed roll for edge support . . . 6-cord pre-made border which keeps the sides true and even . . . enhances the appearance . . . numerous tiny air vents which let the mattress breathe. Beautiful selection of colors to harmonize with any color scheme.

The very sight of the Slumberon with its richly embossed coverings suggest peaceful and luxurious relaxation. Comfort is a built-in feature of both DeLuxe and Slumberon—*companion* pieces for restful sleep.

* *Prices subject to change without notice and slightly higher in Butte, Salt Lake and El Paso districts only.*

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ROME 'De Luxe' BEDSPRING

Patented features make the Rome DeLuxe Bedspring the *perfect* foundation for innerspring mattresses. In silver or orchid finish—$19.75*

The *finest* Slumberon ever built! Ortho-Flex health unit, highest quality materials, beautiful pastel coverings—$29.75*

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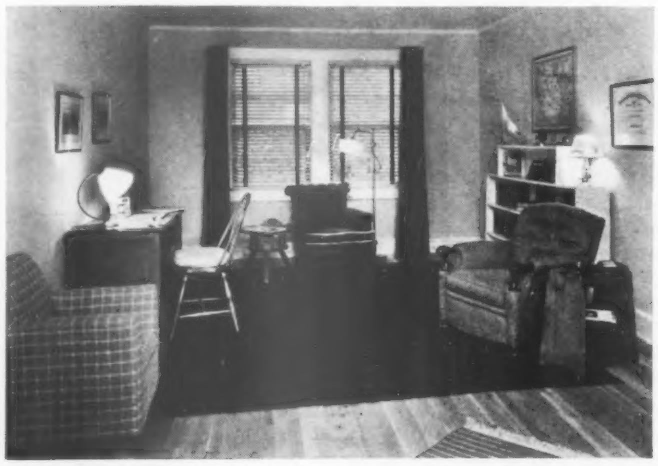
Cradle Sagless (hidden construction) feature provides built-in comfort for both day and night use. Each section has innerspring mattress comfort when made into double or twin beds by simply pulling out front drawer.

Attractive covers—price $49.50*
Other models from $39.95* to $79.50*

Vanity Fair STUDIO LOUNGE

A Decatur attic apartment



LETITIA ROCKMORE LANGE

IN DECATUR, Georgia, a suburban town six miles out of Atlanta, there is a family who has done over an attic room into a modern apartment for a prep school son. The idea was to provide a place where he and his friends could get off alone, but the result has been that friends of the entire family actually clamor to spend an evening in this attractive place!

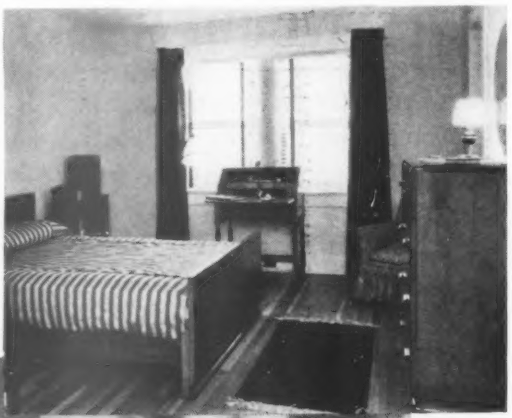
When Mr. and Mrs. Hugh Burgess first considered the rough, unfinished attic in their home, there were several structural difficulties which almost made them give up their idea. The steps leading up to the attic began inside a linen closet and were dark and narrow. The roof made sharp, sloping angles into the room. The chimney rose up right in the middle of the floor space. Such structural obstacles seemed almost too many to overcome, so they took their problem to several contractors and architects for advice. It was not long before changes were started.

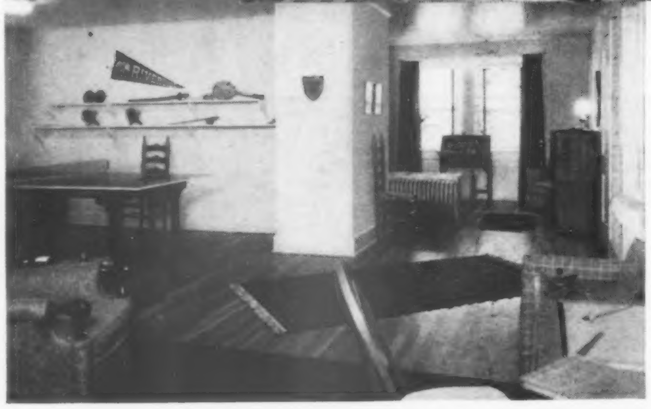
The linen closet was torn away and the steps were widened. Where it was necessary to widen the wall, it was found that this could be done just over the electric refrigerator in the kitchen, making a niche for this to fit into exactly as if it were meant for it. The chimney was walled around with plaster, and a corresponding wall brought forward on the other side. The entire roof was raised four feet in order to give uniformity to the ceiling and to allow a dormer window to be set into the west wall.

This divided the attic into three sections, each one of which measures 12 x 12 feet and opens into the other, and which are designated as the reading room, game, and bed rooms. A small tiled bath was built onto the latter and in no way disturbs the symmetry of the main body of the apartment.

The colors and furniture were carefully selected with an eye to the masculine inhabitant, and are most comfortable and inviting. All the woodwork in each of the three sections is an off-white

[*Please turn to page 121*]





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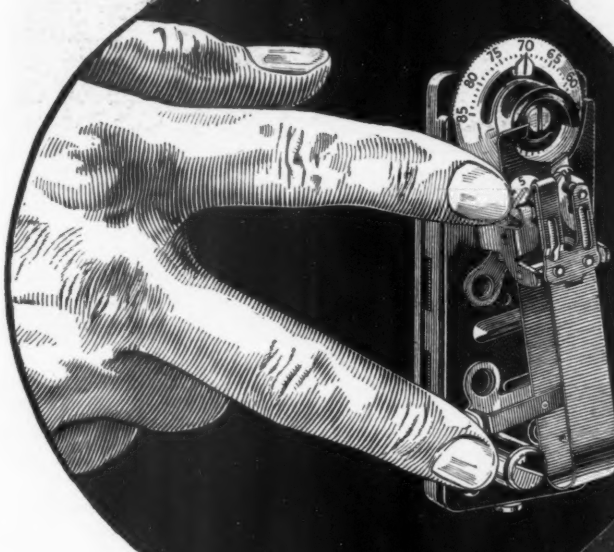
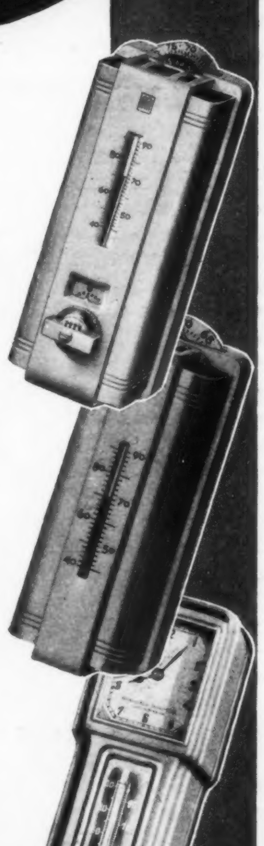
BRINGS THE BLESSING OF STABILIZED HEAT TO EVERY HOME





The "ACCELERATOR" at tip of lower finger, and the Series 10 double contacts, shown above, identify all Acratherm Controls. Both these exclusive Minneapolis-Honeywell features are necessary to provide Stabilized Heat, a function impossible for the average thermostat.

■

THE DA-NITE ACRATHERM

The Da-Nite Acratherm has convenient night shut-down for fuel saving, with automatic return to day temperature.

THE ACRATHERM

The plain Acratherm is the same as the Da-Nite Acratherm without night shut-down.

THE CHRONOTHERM

The Chronotherm requires no manual attention either for day comfort or night shut-down.

AND THEN...
We turn on the heat

THIS BOOK TELLS ALL

You will be interested in the booklet, "And Then We Turn On The Heat." It gives all the facts about "Acratherm Stabilized Heat." Send for your free copy.

MODERN Automatic Heating demands specialized control. The Acratherm, a revolutionary advance over the familiar thermostat is able, by means of the uncanny "Accelerator," actually to sense temperature changes before they are apparent, supplying heat when needed, preventing wasteful overheating. The net result to every home owner is "Stabilized Heat," a new experience in winter comfort. There are three instruments in the Acratherm series – the Da-Nite Acratherm, the Plain Acratherm and the Chronotherm – all beautifully designed to harmonize with any interior. Be sure when you buy automatic heating equipment that it is controlled by Acratherm. The Acratherm can be installed with any automatic heating system or can be added to your present plant. Look for the identifying features described at the left. Only Acratherm can give you Acratherm performance. Minneapolis - Honeywell Regulator Co., 2736 4th Ave. So., Minneapolis.

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I'm $42 Ahead on
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J. Newton Gilbert,
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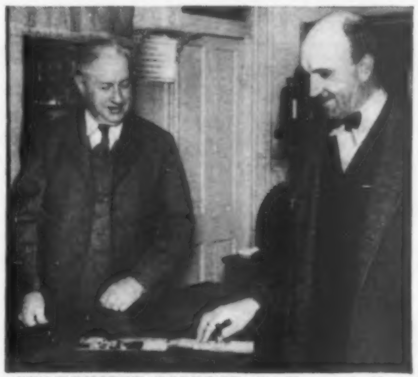
"I'M NOT ONLY MONEY IN POCKET, BUT HAVE A BETTER LOOKING HOME THAN EVER"



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ADVICE WAS RIGHT...my house looks "tops"! Never had a paint job that was so white. At the same time the Devoe 2-Coat System saved me plenty! I give my painter credit—he knew a good thing when he saw it—and told me about it.

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H-8

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DEVOE *House Paint* THE NEW 2-COAT SYSTEM
DEVELOPED BY AMERICA'S OLDEST PAINT COMPANY—EST. 1754

Highly decorative is this interesting arrangement of bright red Chinese lanterns, strawflowers, limonium, and milkweed

Garden octopus

MRS. GUION THOMPSON

THAT'S not its name, but it is a good description. Bearing the pleasing title of Chinese lantern plant (botanically *Physalis alkekengi*), producing papery seed pods of intriguing form and rich glowing color for the winter bouquet, it is, none the less, a wolf in sheep's clothing.

Aside from the color and form of its interesting seed pods that suggest the common name, there is nothing desirable about the plant. Its growth is not graceful nor its foliage attractive, and the blossoms are decidedly insignificant. All summer it is one of the favorite foods of several kinds of beetles, the yellow-striped melon beetle and the potato beetle among them; unless plants are sprayed several times during the season, not only will the foliage be riddled, but the young, green seed pods will be so eaten that their decorative usefulness will be destroyed. After barely tolerating the plants during the growing season, one is tempted to relent when the green pods take on their yellow, scarlet, and deep red hues and add brilliance to the Thanksgiving festivities.

But this wave of favor is short lived, for upon trying to control the spread of this plant in the garden one finds that a few tiny sections of root can in two seasons take complete possession of an area as large as the average room. And not only do they monopolize that space, taking most of the nourishment from the soil, but they also send out a myriad of amazingly long roots in every direction. Pulling up undesired plants is quite useless as the main roots, or underground runners, remain undisturbed, far below. Thick, white, and unbelievably numerous, they may form a network nearly a foot in depth beneath the surface.

From a small area like that mentioned above nearly three bushels of roots were removed, and to get them all out it was necessary to trench the entire space. Any small section of root overlooked is capable of forming one or more new plants the following spring.

By all means use these highly decorative sprays to brighten the dull winter days. But *buy* them; don't try to raise them, unless you don't want to grow anything else, or have a ten-acre lot in which to turn them loose.

How well do you know your conifers?

[*Continued from page 41*]

of the American arborvitae (*Thuja occidentalis*). There are probably fifty to seventy-five different varities being sold under various names today. They range in size from the dense, compact, low-growing, moundlike variety, Little Gem, which is often twice as broad as it is high, seldom getting over two feet tall, to the tree form type species (*Thuja occidentalis*). A form which is dense and pyramidal in habit of growth (*T. occidentalis douglasi pyramidalis*) is used a great deal because of its formal habit. Another form, round and globose in habit, is T occidentalis globosa; still another with dense and rather coarse, slightly bluish foliage, is called Ware's arborvitae. In another form the flat sprays of leaves are spirally twisted on the

Furniture to be proud of...

BECAUSE KROEHLER CRAFTSMEN TAKE PRIDE IN THEIR WORK!

Adolph Gley, Sr., expert carver, has worked for the company 34 years. He and 44 others carve effective designs on chair and sofa legs and other exposed wood trim

Ethel Siebert has sewn covering fabrics for 18 years. One of 225 women sewers

Furniture like this could never be made simply by "men who run machines." Kroehler quality results directly from the superior skill and experience of a guild of true craftsmen . . . 3000 strong . . . who earn a wage high above the industry's average, and whose common characteristic is an honest, never-relaxed *pride in their work.*

From frame to covering, Kroehler furniture is largely the work of *these men's hands.* They are the ones who build frames of superior sturdiness from kiln-dried hardwood lumber; who build the Kroehler steel-webbed underconstruction that can never sag; who fill the cushions with fine-wire spring units, so that the down-like softness will be retained *always.*

These men know Kroehler furniture is better . . . because they *make* it better.

Before you decide on any furniture . . . look at Kroehler. Admire its styling . . . test its comfort . . . compare its prices. Ask about Kroehler 5-star construction. Learn why this furniture far outsells any other brand. Watch your newspaper for dealers' announcements.

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LOOK UNDER THE CUSHIONS FOR THIS FAMOUS GUIDE TO QUALITY

KROEHLER *Built*

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Holland Furnace-Model Points Way to PERFECT HEAT IN EVERY ROOM

free Demonstration Reveals Secret of Uniform Heat Throughout Home with Less Furnace Tending . . . Lower Fuel Bills!

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NEW OIL-FURNACE AIR CONDITIONER

At the same time ask about Holland's revolutionary new Oil-Furnace Air Conditioner comprising automatic oil burner, oil-furnace and air conditioning equipment complete in one unit. Unbelievably low in first cost . . . amazingly economical.

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Whatever Holland System you select, ownership is made amazingly easy. Virtually make your own terms—no delays—no red tape. Mail the coupon now and get the facts on Holland home heating advances!

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HOLLAND, MICHIGAN

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SCIENTIFICALLY PLANNED

Every Holland installation is scientifically planned by Holland's own trained engineer after a room-by-room analysis of your heating needs. Nothing is overlooked which will add in any way to the efficiency of your home heating system.

HOME OFFICE APPROVAL

The local engineer's plans are carefully checked by senior engineers of the factory staff and improvements are made if possible. Every single detail must be absolutely correct.

HOLLAND'S OWN INSTALLERS

Finally, the entire system is installed by Holland's own trained experts under the engineer's personal supervision. Even the smallest screw must be correctly placed to win his okeh on the installation!

twigs, giving it the name spiral arborvitae (*T. occidentalis spiralis*). There are also many forms of T. occidentalis with foliage of varying degrees of yellow, such as *lutea, sulphurea,* and the like. Each variety is particularly valued for its own peculiar form or individual color.

Three terms which should be carefully explained in connection with any discussion of conifers are: cypress, retinospora, and cedar. These are all common names and such common names often cover a multitude of sins in plant nomenclature. Take, for instance, the word cedar. Actually this means the true cedar of the genus Cedrus, which includes plants not particularly hardy north of Long Island although one form of the Cedar of Lebanon is perfectly hardy in Boston. However, there are the common name white-cedar (*Thuja occidentalis*), the redcedar (*Juniperus virginiana*), and Cryptomeria which is often called Japanese-cedar (*Cryptomeria japonica*). There are still others, but these suffice to show that the common name cedar, which actually refers to the one genus Cedrus, has become accepted as referring to members of several widely different genera.

The term retinospora was formerly used by some nurserymen as the name of a genus. Today it has no standing whatever as a scientific name, but it is still used as a common name in referring to the genus Chamaecyparis. The term cypress correctly refers to the genus Cupressus which contains trees chiefly grown in the warmer parts of the Old World and a few that are native to the southern part of this country, but none of which are completely hardy in the northern states. Some of the outstanding examples of this group are the Italian cypress and the Monterey cypress. However, a few species of the genus Chamaecyparis are also given the common name cypress, as for example, Chamaecyparis obtusa, the Hinoki-cypress, and C. lawsoniana, the Lawson-cypress. Although this use of the term is common practice, it is desirable to consider and use the name cypress solely to refer to members of the genus Cupressus.

In planning the planting around the home, the landscape architect, gardener, or owner must know the general growth characteristics of the plants with which he aims to perform certain definite purposes. Thus he will know exactly what to order from the nurseryman. It is well to be able to check the identity of the plants when they arrive, for only in this way can the purchaser be certain of getting the exact results for which he has planned.

Short keys to the identity of the most used conifers

Leaves deciduous (Larch)

Short, needlelike leaves resembling those of certain other conifers like the spruce, but shed in the winter. Fruit a cone.

- *a.* One-year twigs pendulous, larger branches horizontal—European larch—(*Larix decidua*)
- *b.* One-year twigs not pendulous, larger branches irregular—American larch—(*Larix laricina*)

Leaves evergreen (held on tree over winter):

- *A.* Leaves on short thick spurs, more than 5 in a bunch (Cedar)
  - *a.* Small twigs densely pubescent, branches usually stiff—Atlas cedar—(*Cedrus atlantica*)
  - *b.* Small twigs densely pubescent, branches usually pendulous—Deodar cedar—(*Cedrus deodara*)
  - *c.* Small twigs glabrous (without hairs or down) or only slightly pubescent—Cedar of Lebanon—(*Cedrus libanotica*)
- *B.* Leaves in bundles (Pine)
  - *a.* 5 needles in bundle
    - Twigs usually glabrous or nearly so—White pine—(*Pinus strobus*)
    - Twigs very woolly—Swiss stone pine—(*Pinus cembra*)
  - *b.* 3 needles in bundle
    - Leaves fragrant and very long (6 to 12 inches)—Western yellow pine—(*Pinus ponderosa*)
    - Leaves not fragrant and only 3 to 5 inches—Pitch pine—(*Pinus rigida*)
  - *c.* 2 needles in bundle
    - Leaves very fragrant and very long (6 to 12 inches)—Western yellow pine—(*Pinus ponderosa*)
    - Leaves not fragrant, 1 to 6 inches long
      - Leaves 4 to 6 inches long and stiff—Austrian pine—(*Pinus nigra*)
      - Leaves 4 to 6 inches long and flexible—Red pine—(*Pinus resinosa*)
      - Leaves bluish, 1 to 3 inches long and twisted; plant is a tree—Scotch pine—(*Pinus sylvestris*)
      - Leaves not bluish, 1 to 3 inches long; plant is a low shrub—Mugho pine—(*Pinus montana mughus*)
- *C.* Leaves in pairs or whorls, often small and scalelike and overlapping (Juniper, retinospora, arborvitae)
  - *a.* Winter buds present
    - Plant open and vase-shaped—Common juniper—(*Juniperus communis*)
    - Plant dense, upright and columnar—Irish juniper—(*Juniperus communis hibernica*); Swedish juniper—(*Juniperus communis suecica*)
  - *b.* Winter buds not present
    - Spray flat; white markings on underside of leaves (retinospora)

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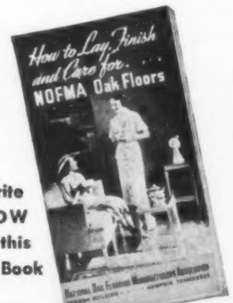
No less than this lovely hostess, you too will know that the smooth sweep of their rich, polished surfaces are flattering to your own good taste. Friends will always admire them, but what counts most will be your intense personal satisfaction in knowing your floors are well groomed and correct.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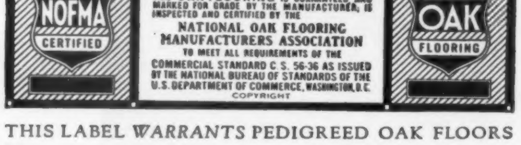
To select the right Oak floor for one room, or all, you'll want this wonderful book. Your copy will be mailed FREE for the asking, Written for lovers of beautiful homes by the National Oak Flooring Manufacturers' Ass'n, it gives you all the answers on how to select, lay, finish and care for Oak floors and why you should insist on NOFMA Oak Flooring.

Because NOFMA is to hardwood floors what Pedigree is to a thoroughbred. It is the one name . . . the *only* name . . . by which you may purchase Oak Floors guaranteed for grade, produced according to requirements approved by the U. S. Bureau of Standards and *certified* for identification and your protection by the warranty mark of its makers on the copyrighted NOFMA label attached to the bundles.

Yet fine as their quality is, the cost of NOFMA Oak Floors is amazingly small (less than $90 for the 17′ x 25′ living room illustrated above) laid, finished and ready to live with in contentment the rest of your days.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Those summertime bake-oven rooms can be made cool — comfortable — livable — by insulating the roof and walls with Capitol Rock Wool. This amazing fire-proof air-cell material turns back the sun's rays and reduces summer room temperatures 8 to 15 degrees. It makes summer sleeping restful and inviting. Further, when winter comes, Capitol Rock Wool wraps your home in a snug blanket of warmth by stopping loss of costly furnace heat. It eliminates cold rooms, stops unhealthy drafts and saves up to 30% of your fuel bill. Quickly, easily installed in any type of home—shingle, clapboard, stucco, stone- or brick-veneer.

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For the NEW home, see that the architect specifies CAPITOL Rock Wool. In modernizing your present home, the work is done by the responsible Capitol Rock Wool Insulator in your city; an organization trained, directed and licensed by The Standard Lime and Stone Company, a great national company, founded in 1888. Full facts are worth having. Mail the coupon.

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Leaves blunt and rounded

White markings X or Y shaped—Hinoki-cypress—(*Chamaecyparis obtusa*)

White markings form blotches, not lines—Giant arborvitae—(*Thuja plicata*)

Leaves acute and pointed—Sawara retinospora—(*Chamaecyparis pisifera*)

Plume retinospora—(*C. pisifera plumosa*)

Leaves threadlike—Thread retinospora—(*C. pisifera filifera*)

Spray flat, without white markings beneath (Arborvitae)

Leaves of fine texture, each scale of fruit hooked at back—Oriental arborvitae—(*Thuja orientalis* and many garden forms)

Leaves of coarser texture, no hooks on fruit scales—American arborvitae—(*Thuja occidentalis* and varieties)

Spray spreading

Foliage soft to the touch—Moss retinospora—(*Chamaecyparis pisifera squarrosa*)

Foliage very harsh and prickly—juniper—(*Juniperus* species)

D. Needles one at a place, scattered along the twig (Yew, hemlock, Douglas fir, spruce, fir)

a. One-year twigs uniformly green; fruit a soft red berry—Japanese yew—(*Taxus cuspidata*—several hybrids and many varieties)

b. Winter buds very small, often very difficult to identify—cryptomeria—(*Cryptomeria japonica*)

c. Winter buds long and pointed—Douglas fir—(*Pseudotsuga douglasi*)

d. Dead twigs smooth (i.e. leaf bases are shed)

Leaves long (1 to 2 inches) bluish—White fir—(*Abies concolor*)

Leaves shorter; one-year twigs deeply grooved with parallel lines—Nikko fir—(*Abies homolepis*)

Leaves white underneath—Balsam fir—(*Abies balsamea*)

Leaves extremely white underneath—Veitch fir—(*Abies veitchi*)

e. Dead twigs roughened (i.e., leaf bases not shed)

Leaves flat, white lines on one side

Leaves spreading radially all around twig—Carolina hemlock—(*Tsuga caroliniana*)

Leaves flattened in two ranks—Canadian hemlock—(*Tsuga canadensis*)

Leaves 4-sided, usually with whitish lines on all four sides

Leaves stiff and very sharp pointed; spreading radially around the twig and usually at right angles to it—Colorado spruce—(*Picea pungens*)

Leaves very blue—blue Colorado spruce—(*Picea pungens glauca*)

Koster blue spruce—(*Picea pungens kosteri*)

Leaves not as stiff; not at right angles to twig

One-year twigs pubescent; leaves very short (less than ½ inch)—Oriental spruce—(*Picea orientalis*)

One-year twigs pubescent; leaves more than ½ inch long—Engelmann spruce—(*Picea engelmanni*)

One-year twigs glabrous

Leaves dark shiny green—Norway spruce—(*Picea excelsa*)

Leaves light dull bluish green—White spruce—(*Picea canadensis*)

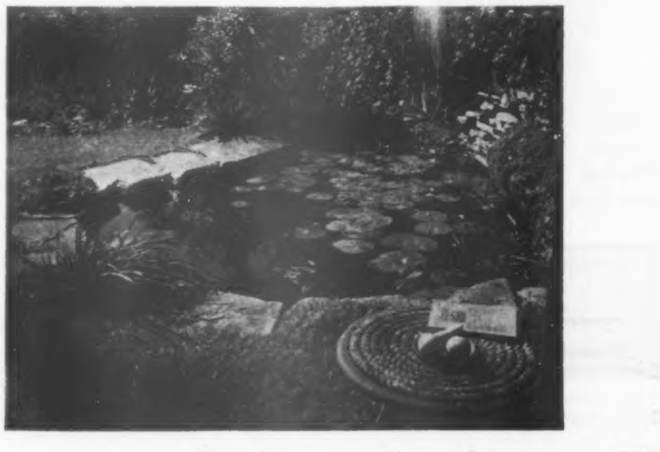
Peace from a homemade pool

MARGE EMLEN

For several years we had wanted a pool in the garden—a quiet, restful spot, with waving papyrus, exotic waterlilies, and lazy, contented goldfish swimming about; a pool near which we could lounge and read, or just sit in the sun and idly watch the ever changing reflections, the dragon flies skimming over the smooth surface, and the bright colored fish. It could not be a very large pool, as our lot is small and with a house, a garage, and a guest house, little space is left.

After much discussion and the reading of everything available on the subject, we decided, of financial necessity, to make the pool ourselves on the second terrace, in front of the privet hedge. This spot was selected as the two terraces below are flower beds where we thought the overflow from the pool could be used to good advantage; and if, at any time, it proved too much for the flowers, it could run on down to the small lawn.

The next step was staking out the size and shape we wanted and the stakes were moved again and again until at last we were ready to excavate what looked like a large bottle-neck gourd. An old



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"SHOP BY TELEPHONE"

two-inch plank was used as a wheelbarrow runway up to the terrace above, whence we wheeled the dirt over to our garage. We had taken up the old plank floor there and were filling in with this dirt before putting in a stone floor. The weather turned warm and how we perspired as we picked, dug, and shoveled! It was slow work, for at the lower end we excavated to a depth of three feet. The work was not tedious—we were so busy planning ahead; but it did begin to look as though we were making an enormous pool and with each shovelful of earth thrown out I began to have misgivings about our judgment.

However, the day ultimately came when the excavating was completed and we were ready to put in some reinforcement. We happened to have some one-inch mesh wire netting left over when we stuccoed our garage. This proved just enough for two layers, which we pushed into place as well as possible in the excavation. Our first mix was a 3-3-2 combination of pea gravel, sand, and cement. A crude mixing trough made from some of the old garage floor planks turned out to be most useful—not only then, but since, in connection with other work that we seem continually to be doing about the house and garden. When this mix had hardened, we put on a layer about 1½ inches thick of sand and cement, 3-1. The mixing and pouring was heavy work and we had blistered hands and stiff backs, but they were soon forgotten as, at this stage, we seemed to be getting results so rapidly. After the second mix had set, we ran water in from the hose and let it stand for a good many days in order to wash out any salts. We had got our sand in sacks from the beach, being careful to get it as far back from the water as possible.

At the narrow part of the pool, which was about an inch lower than the opposite side, we put in a piece of 1½-inch iron pipe for an overflow. We figured there would be just a trickle of water from this when the pool was filled and we covered the end of this pipe, in the pool, with a piece of fine wire mesh to keep the small goldfish from going through. The other end came flush with the stone wall of the terrace. In the bottom of the pool, before pouring the cement, we had set a drain; the pipe from this also came out flush with the terrace wall, although three feet or more lower than the overflow pipe. A redwood plug for this drain pipe could be pounded loose when we wished to drain the pool.

Next came the interesting task of finishing, of trying to make the pool look natural, as though it had been there for years. We

[*Please turn to page 122*]

WINTER AHEAD!

Lake of the Isles Boulevard—one of the most charming sections in a beautiful city—Minneapolis. In the Lake of the Isles District 55 homes of well known Minneapolitans are equipped with Iron Fireman automatic coal burners. No matter how cold the days—how long the winters—Iron Fireman is always on the job, providing an abundance of luxurious automatic coal heat at low cost.

INSTALL **Iron Fireman** IN YOUR FURNACE **Now**

HAVE PERFECT AUTOMATIC HEAT AND SAVE MONEY

TAKE a short cut to automatic home heating. Install an Iron Fireman automatic coal burner in your present furnace. Result: an automatic firing system that gives perfect warmth, saves fuel dollars and adds immeasurably to the joy of living.

Iron Fireman is a perfect servant. It starts the fire in the morning before you arise. It purrs along through the day, feeding coal to the fire, sending up gentle abundant heat, keeping rooms warm, floors warm. It banks the fire at night; works while you sleep; silent, thrifty, reliable. It does the firing job you've never liked to do, and does it much better. Does it *cheaper*, too. Iron Fireman uses the small, low cost sizes of coal. Gives you ideal automatic heat at substantial savings over other types of automatic fuels and—believe it or not—usually costs even less than hand-firing.

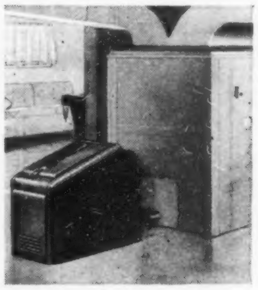
***Install Iron Fireman now.* With your home in the summer zone you can laugh at winter, laugh at those old days when rooms were too hot or too cold, fuel costs were sky-high and furnace tending was an irksome, never-ending job.**

Iron Fireman prices are the lowest in history; mechanical excellence is at its highest. Always the outstanding leader in its field, Iron Fireman is more than ever your inevitable choice in automatic heating equipment just as it has been for tens of thousands of home owners.

Write for literature, or ask your dealer to make a free firing survey outlining what Iron Fireman will do for you. But do it now—winter is just ahead! Iron Fireman Manufacturing Company, Portland, Oregon; Cleveland, Ohio; Toronto, Canada. Dealers everywhere.

For Cottages and Mansions

Coal Flow model abolishes coal handling—feeds direct from bin to fire. Quickly installed in warm air furnaces, hot water, steam or vapor-vacuum boilers. A size for every home—small or large.



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Through the hush of the shadowy night, nature steals with muffled tread to lure weary mortals into the enchanted land of sleep. Cradled by zephyr hands, tired bodies relax into profound restfulness; and under the spell of sublime oblivion, care-filled minds respond to the contentment of complete serenity.

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The Slumbernest is truly the ultimate in mattress design, and so different to ordinary mattresses as to be revolutionary. It is neither a tufted nor a tuftless type, but so fashioned that amazing comfort is matched with unusual wearing qualities.

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Slumbernest Company, Grand Rapids, Michigan
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Pittsburgh, *Slumbernest Corp.*
Reading *(Pa.), Fred G. Hodges Bedding Co.*
St. Louis, *National Bedding Co.*
Seattle, *Washington Furniture & Manufacturing Co.*

As was and as is

[Continued from page 73]

lot is now an uncultivated Cape field which we hope will eventually bloom with goldenrod and butterfly weed, Queen Anne's lace, sumac, and wild roses.

Perhaps the most astonishing change (to the neighbors) since the first year is that of 1932. We were not to use the house that summer and believed that it would rent more easily if provided with a garage. That we could not be there to supervise the work seemed an almost insurmountable difficulty. However, we looked up "portables" and found a suitable two-car Colonial garage. The addition of a portable hen house at the back of one half provided the long roof line necessary to harmonize with the house. A partition in the center with a floor and some rearrangement of windows in one half the building gave us not only a garage but a much desired guest room. So far as we were concerned, the addition was accomplished in one day. At nine A. M. the builders laid the pattern on the ground. At four P. M. we took the train back to Boston, leaving the building complete except for hanging the doors and adding the final touches. These were finished before the workmen left at night. The village people who passed the house on their way to work in the morning saw only the familiar Toll House. At night they found a garage beside it and their surprise exceeded that caused by the changes of 1926. Painting was finished within the next week. Plumbing and electric wiring followed more slowly, but were completed during the summer, and the next season a concrete floor was laid in the garage.

Visitors are beginning to suggest that we stop "doing things." We have reached the place where we are not irked by the urge to add necessities. We still need a weather vane; some of the rooms must be painted; and we can see opportunities for planting. However, the weather vane can wait; the planting must wait; and the painting is no longer a change—merely upkeep. To quote a guest: "Toll House looks as if you had settled in."

Can you see what has happened to our dream? Look for pines, mountains, seclusion — and the dream is as if it had never been; but look for a river view, the interesting and varied life on a river bridge, a cosy village, kindly neighbors — simplicity — and the charm of Cape Cod, and you construct a new dream which has become ours.

A little house by the side of the road with green blinds and small paned windows, a narrow lawn behind a low picket fence, a terraced garden close to the water, a sparkling river each day widened by the tide, a long look up the river with its grassy marshes running out into the water, a wide cove in front, friendly neighbors in the village, pines across the bridge, a clear view of the sunset over the water, our own green "growing things" in the yard about the tiny house. The road close by the doorstep crosses the bridge and wanders up a hill. It beckons us at times, and at others brings us a friend. It is always interesting. The only toll which the owners of the little house collect is the toll of friendly greetings and appreciative comment upon the miracle which imagination, affection, and effort have wrought in changing the hovel "as was" into the house that "is." Dreams may come true.

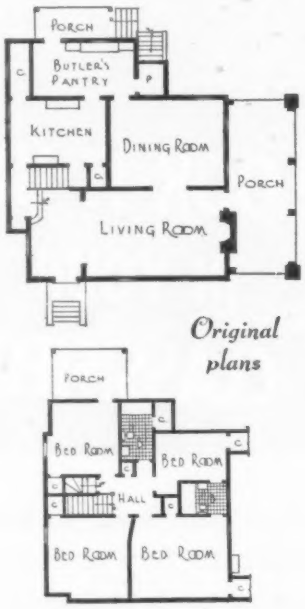
Completely rejuvenated

[Continued from page 74]

and some other minor alterations. (Compare the original plans with those after alteration to see how these changes were carried out.)

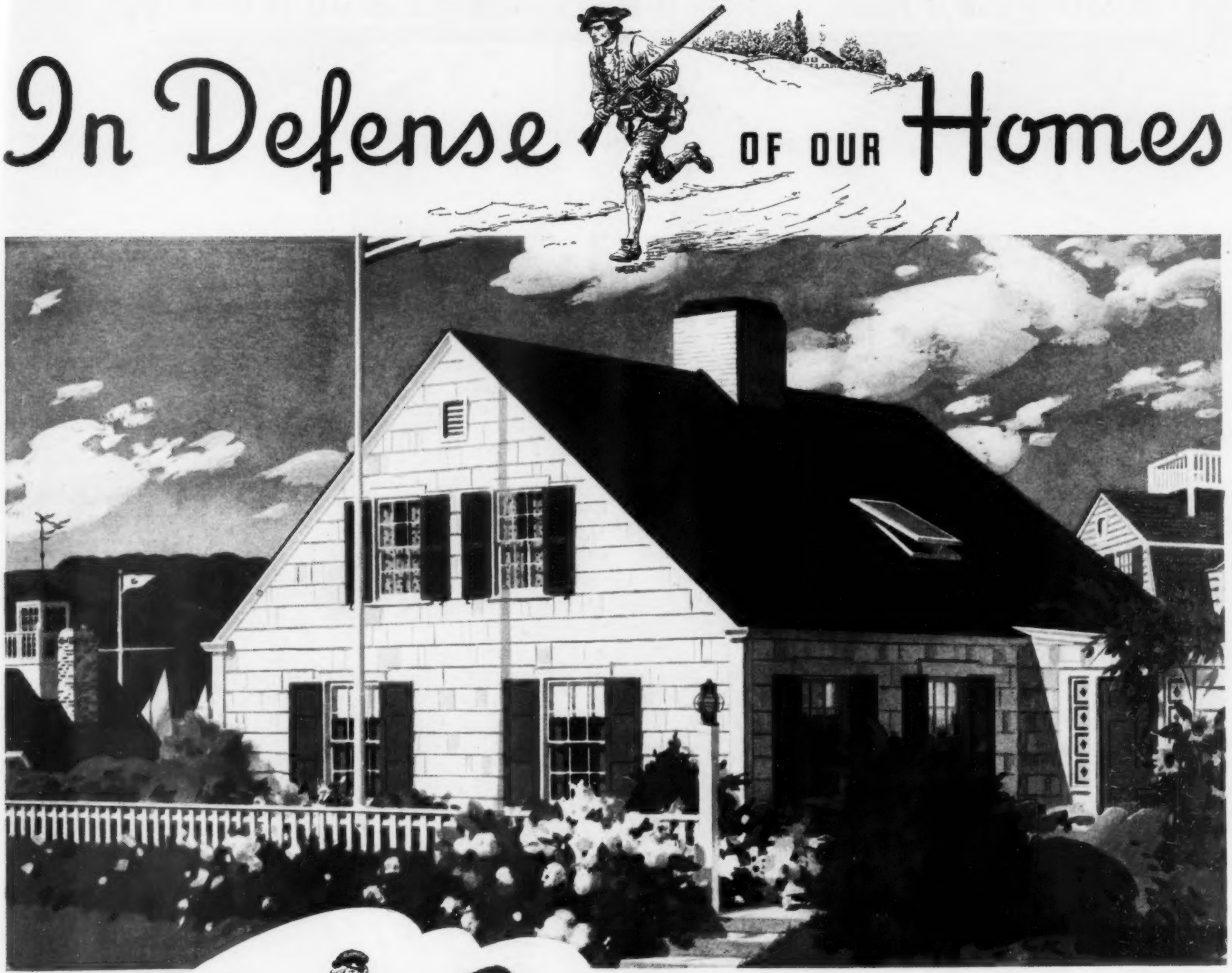
The exterior of the house was entirely transformed, not only in contour but in material. The stucco was stripped off and replaced with a veneer of handmade brick. A new entrance and vestibule were projected beyond the house boundary, giving an interesting irregularity of line. The roof was recovered with shingle tile of a beautiful color and texture. The windows were changed from the double sliding, wood sash type to steel casements.

Although the entire house was completely transformed, enough of the original lines were retained to make it seem closely related to its predecessor.



Original plans

In Defense OF OUR Homes



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As shown at right, "cheap" paint quickly deserts its post. It cracks and scales. When this happens, the surface must be burned and scraped down to the bare wood. That costs money. It also makes necessary an extra coat—a new priming coat—in repainting.

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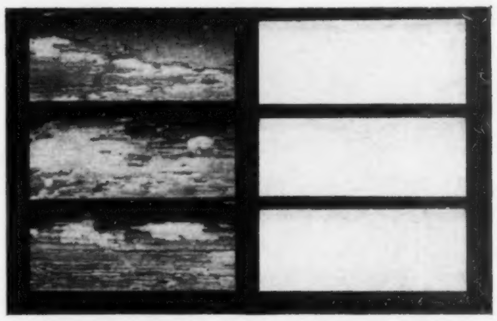

"CHEAP" PAINT *after 1½ years—cost of job $110. Now the paint must be burned and scraped off at $60 more. Total, $170, or $113 per year. And on top of all that there's another extra to pay for in repainting—a new priming coat.*

DUTCH BOY *after 4 years—Located in same section as the "cheap" paint job. Cost $120, or a per-year cost of $30 which will be still less as time goes on. No burning and scraping and no new priming coat will be needed at repaint time.*

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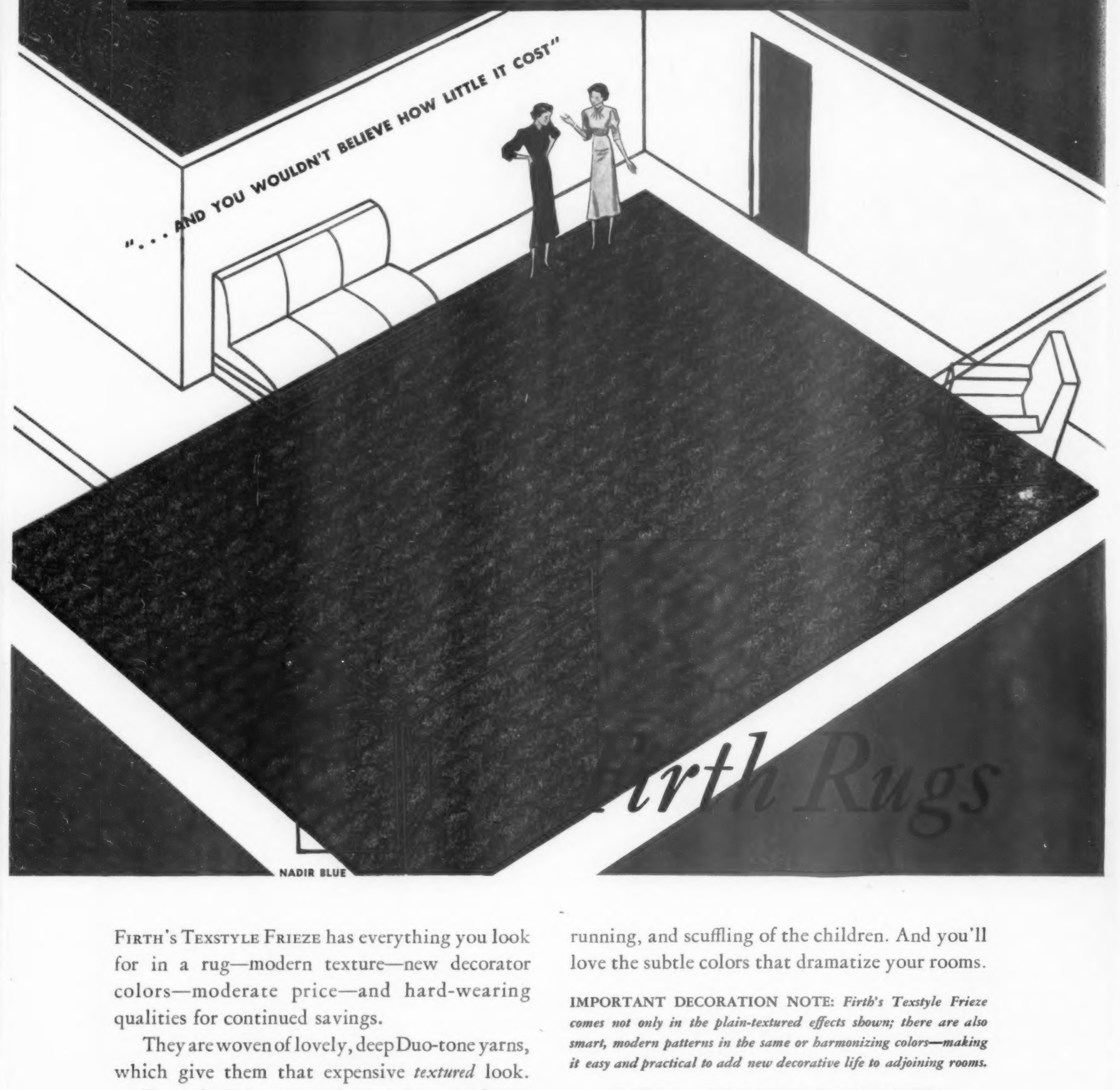
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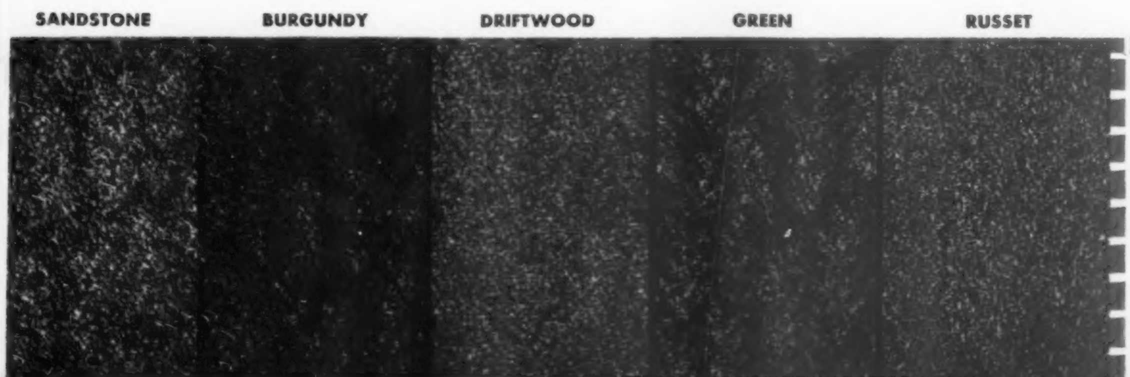

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A reprieve for fruits and vegetables

ETHEL BOEHM

This article is based on an interview with Miss Stella Patton, assistant professor of home economics at the University of Wisconsin, and includes material collected by the United States Department of Agriculture

EVERY Saturday morning my favorite fruit store lures me to its doors with a tempting array of luscious ripe fruits and crisp green vegetables, displayed to tempt the most frugal housewife, and flanked by the enticing sign, "Saturday Specials."

But, no matter how attractive the merchandise nor how great the bargain, fear that my purchases would spoil before I could use them has always prevented my buying more than a few days' supply, until last week. I met my new neighbor, Margaret, recklessly buying enough to last her small family for weeks. After watching her wholesale purchasing in silence for a while, I voiced a few feeble protests, pointing out that, if her purchases wilted and spoiled before she used them, they weren't such a bargain.

"But Jane," she answered, "I'm not buying foolishly. We'll eat the more perishable things today, but these others will keep a week or more, if they're stored properly.

"These plums, for instance—" she stopped before a box of the sweet, purple fruit and carefully chose perfect specimens as she continued. "If I put these in a cool, dry place, or pack them in sawdust, I can sometimes keep them for a month. By following a few basic rules, I've learned how to keep all fruits and vegetables as long as possible. And you must admit that quantity buying is a great help to slim purses."

I was subdued by her evident knowledge, but still only half convinced. Hence I resolved to spend the next morning with Margaret to obtain all the information I could on this subject. The next day found me seated in her sunny kitchen, watching her as she deftly mixed yellow bananas, bright red cherries, pale green grapes, and golden peaches in a delectable salad.

"I've had these bananas in the house for a month," she began, in response to my plea for enlightenment. "A temperature of from 32° to 35° F. is best for them if they're already ripened. I keep the green ones at room temperature until they become yellow and thoroughly ripe.

"I keep cherries in a cool, dry place, away from the sun, while I pack grapes in dry sawdust, at a temperature of from 38° to 40°. They'll keep six or eight weeks.

"But," she continued, "be careful of the sawdust. Once I got some that had a very strange odor, and after the grapes were packed in it a while they had an equally strange taste!"

All soft fruits such as peaches, plums, and berries, should be spread out in shallow pans, rather than kept in deep dishes, since they will maintain a lower temperature, and the ventilation prevents their rotting. Another favorite trick of Margaret's is the packing of apples in clean, dry sand. She generally wraps them in paper, for they maintain a more even temperature, are kept dryer, and disease is less likely to spread.

"I always wrap melons, also," Margaret went on, "since they may affect the flavor of other foods, especially if they are put in the refrigerator. If they are fully ripe I keep them cold. Otherwise I ripen them at room temperature."

"Don't you wrap peaches, too?" I asked. She assured me that she did, keeping them in a dry, well ventilated place, with a temperature of about 40°. In fact, she said that most fruits should be wrapped, since this prevents the skins from touching and producing mold.

"Pineapple will keep for at least a month in a low temperature," Margaret continued, "while pomegranates will last for several months when hung in a dry room. I have found that home storage often improves the flavor of pomegranates. Remember that all fruits and vegetables should be washed before serving, too. Contrary to general opinion, there is very little loss of flavor and texture, even in thin skinned fruits, unless they aren't thoroughly drained."

She also warned me that, if I buy either fruits or vegetables to keep for a long period, I should be especially careful to avoid wilted, frozen, or dirty specimens.

"I've found, too, that the medium size article is better than the large, over-developed fruit for, as a general rule, these 'show pieces' haven't the same flavor," she added.

"How about vegetables?" I inquired. "Do you keep them in the refrigerator?"

"If there's room, but somehow there seldom is, in mine," was her answer. "But I've found that any cool, well ventilated spot that isn't too dry will do just as well

[*Please turn to page 121*]

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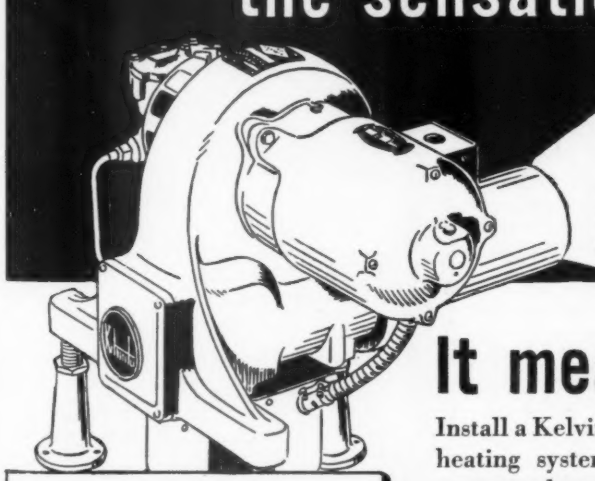

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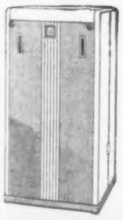

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The first course

FLORENCE E. FIELD

THERE are all kinds of interesting dinner parties that may be planned for hot weather entertaining. You can give a formal party with the dining table set on the terrace or in a sheltered spot in the garden, or an informal gathering out-of-doors where self-service is in order. No matter what sort of party is planned, there are always some little touches which will make the dinner unique as well as gay and festive. Many times it is a very simple thing that lends distinction to the dinner and something which does not involve a great deal of expense or much labor.

You will agree with me, I feel sure, that the first course of your dinner lends itself more to novelty and smart simplicity than any other. And you will likewise agree that in hot weather it is far better to begin the dinner with something cool and refreshing rather than a hot soup. Of course you might serve a cold jellied tomato bouillon or a jellied chicken or beef consommé. There are delicious ones which you can buy all ready to chill and serve. Those who do not care for these cold consommés may begin their meal with a fruit course, for with the abundance of luscious fruit that the summer season brings, it is simple to make clever and appetizing combinations of melons, berries, and fresh pineapple.

Honeydew Supreme

Take a honeydew melon (or cantaloupe) and slice it into inch-thick rings. Remove any seeds and cut off the rind. Gather a few large, shiny leaves from the grape arbor or the maple tree. Wash and dry them and place one on each plate. On the leaf, place the melon circle and fill the center with large fresh black cherries that have been pitted. In serving honeydew melon, it is a very good idea to garnish with a piece of lemon or fresh lime.

Fruit Cocktail Savoy

Cut a ripe fresh pineapple in slices and peel and core. Cut into small pieces, cover with ½ cup of powdered sugar and ¼ cup of hot water and let stand for an hour in refrigerator. Just before serving, add sugared sliced strawberries which have been chilled or sugared red raspberries and put in sherbet glasses. Top with a spoonful of lemon ice.

Pineapple and Watermelon Imperial

On a shiny green leaf place a slice of fresh pineapple which has been sprinkled with powdered sugar. On the pineapple place a round slice of watermelon which has been cut out of a thick slice of melon with a fancy cookie cutter. Top with a spoonful of black raspberries and garnish with mint leaves. Pass powdered sugar or sprinkle a bit on the berries just before serving.

Crabflake—Russian Style

Stuff the tomato with fresh (or canned) crabflakes and mix with the following dressing: ¼ cup chili sauce mixed with ½ cup mayonnaise, 1 teaspoon of chopped stuffed olives, a dash of Worcestershire sauce, and a two ounce can of caviar. There are many delicious combinations of tomatoes with sea food or caviar. A favorite stuffing for tomatoes is caviar mixed with chopped hard cooked eggs and mayonnaise.

Tomato Carlton

To a package of lemon gelatine add 2 cups of boiling water and a tablespoon of vinegar. To this add a pound can of crabmeat, 1 cup of drained, diced, canned pineapple and ½ cup of almonds which have been blanched and sliced. Put into individual molds to harden and chill in the refrigerator. When ready to serve place a thick slice of tomato on shredded lettuce and cover with the molded crabmeat. Top with a spoonful of mayonnaise.

Tomato and Shrimp Columbia

On a bed of shredded lettuce place a thick slice of fresh or canned pineapple. Cover with a thick slice of tomato and surround with shrimps. Garnish with a ring of green pepper and a dash of mayonnaise.

Strawberries and Pears in Lime Juice

Drain the juice from a No. 2 can of pears. Add ¼ cup sugar to ½ cup of pear juice and boil 3 minutes. Tint green and add the juice of 3 fresh limes. Pour the syrup over the pears and chill. Place a half of pear in a sherbet glass and cover with fresh strawberries. Fill the glass with the syrup and garnish with a sprig of mint.

Fruit Cup

Mix together 1 cup of stoned black cherries, 1 cup diced pineapple, 2 cups orange sections, 1 cup grapefruit sections. Cover with 1 cup raspberry syrup or loganberry juice. Sweeten to taste and chill for 4 to 6 hours before serving. Serve in sherbet glass and garnish with sprig of mint.

Cantaloupe Manhattan

Cut a cantaloupe in half and remove the seeds. Fill the cantaloupe with watermelon balls and fresh red raspberries and chill thoroughly. Serve on salad plate and pass powdered sugar for those who desire their fruit sweetened rather than plain.

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A reprieve for fruits and vegetables

[*Continued from page 119*]

for tuber and bulb vegetables, as well as for thick-skinned fruits. The object of putting them in a low temperature is to prevent evaporation of moisture as well as to delay the ripening."

"Tuber and bulb vegetables? You'll have to explain that," I admitted in a puzzled tone.

"There are four main types of vegetables," Margaret answered. "They include the leafy variety, root vegetables, such as radishes and beets; bulbs, like onions; and tubers, such as potatoes. Green, leafy vegetables should be placed in cold water until they are freshened. If they are to be kept for several days, it is best to put them in a covered refrigerator dish until almost time to use them, when they should be placed in a damp lettuce bag. They should never be put in the ice compartment of a refrigerator, however, but a temperature of 50° will keep them fresh for over a week. Root vegetables should be kept dry and cool at about 70° until they are cleaned and ready for cooking. Then they should be placed in a ventilated container at about 50° F."

And now, armed with these simple rules for home storage, I've been buying fruits and vegetables in larger quantities with a clear conscience, and finding that both my purchases and my housekeeping allowances are lasting longer as a result.

A Decatur attic apartment

[*Continued from page 108*]

shade, and the white ceilings have been glazed to make a slick surface for better refraction of light. The Venetian blinds are white with a blue tape, and the draperies on swinging cranes are blue corded damask. The furniture is a combination of modern and Early American, while yellow, tan, red, and blue accessories make up an effective as well as thoroughly satisfying and interesting color scheme.

In the reading room, the walls are painted a light tan. There is a bright blue rug on the floor and white modern bookcases along one side wall. Comfortable, man size chairs covered in red or brown and a maple knee-hole desk are attractively arranged. A historical map of Georgia, ship accessories and English hunting prints are placed to advantage on the walls and furniture.

The walls of the game room, which is in the center, are done

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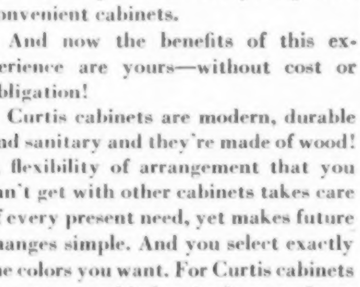

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in the same off-white shade used on the woodwork and on the low window boxes which serve double duty as seats and receptacles for game apparatus. The table-tennis table, which occupies most of the floor space, is surfaced with the same bright blue as the reading room rug, and white shelves on both side walls of the room hold tennis rackets, balls, fishing reels, and an old sword that belonged to the Revolutionary soldier grandfather of the young occupant of the apartment.

The bedroom walls are tinted yellow, with their color further heightened by the use of a red rug and red striped cover on the modern maple bed. A blue figured chair strikes a contrasting note and repeats this phase of the color motif, leading up to the blue and white tile bath adjoining. A bedside table, with radio and telephone, makes this part of the living quarters complete, and adds measurably to the final comfort of the room.

All the "gang" meet at the apartment now, and every weekend is a gala occasion when the young people are home from college.

Peace from a home-made pool

[*Continued from page 115*]

wanted rocks that would jut out over the edge of the water, completely hiding the cement rim, so decided to get flagstones from the quarry at the top of one of our mountains. That day's trip was certainly a compensating pleasure for all the hard work. The weather was extremely clear and we had a magnificent view out over the ocean, even to Catalina Island, a good distance south of us. A great deal of time was spent clambering over the mountain top picking out just the size and shape flagstones we thought would be best; toward the end we picked only those with embedded fish and shells, or with especially lovely shades of brown color. We kept putting "just one more" flagstone aboard until finally the old car was fairly groaning with the load. Our trip down the winding dirt road was made very slowly and carefully. However, no mishap occurred, and then came the job of getting the flagstones out of the car and over to the pool. Somehow that didn't seem nearly as much fun as picking them out!

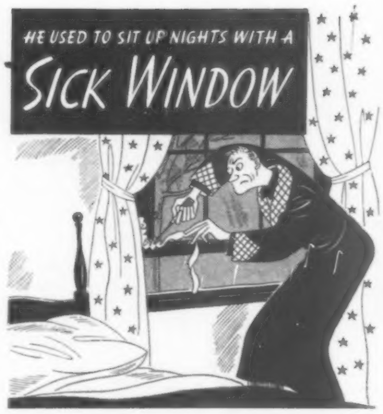
After much time had been spent putting the flagstones in place and changing them about until they were just right, dirt was shoveled under and around each one. It was amazing how the pool seemed to have diminished in size after the flagstones were put in place. Actually, it was about thirteen feet long and eight feet wide at the widest part.

At the back, in front of the hedge, we put in a pipe which would let the water drip down into the pool; the faucet controlling the water was over by the corner of the house. A piece of this pipe standing about two feet above the ground level we covered with the smaller flagstones, built up in an irregular wall. The cracks between the flagstones we filled with earth so that moss could be planted; when the water was turned on slowly it would seep out through the stones and earth and keep the moss green. In front of this wall, in the pool, we had made two cement pockets, about six feet apart, for water plants.

After we ran the first water out, we covered the bottom of the pool with a layer of earth mixed with cow manure, and spread on top of this a layer of clean, rather coarse sand. Here the waterlilies which a friend had given us were planted, some blood meal being worked into the soil at the roots. Then we filled the pool with water again, putting in snails and our goldfish from the bowl indoors. Finally, dwarf iris and sweet-smelling rock pinks were planted in the cracks between the flagstones. This work was all done in the fall which seemed to us an ideal time to make a pool. For, by the following spring, the delicate green moss had grown out over the flagstones, the iris and fragrant pinks were blooming, and we were delighted with the effect. The grass grew up in the small space surrounding the pool and among the stepping stones, and the pool became the beauty spot of our garden. Moreover, it had been acquired at an exceedingly low cost. Four and a half sacks of cement came to $3.00; the pea gravel cost nothing as we had taken it from the "scrap pile" out by the rock crusher. True, we bought the piping but, at the most, our lovely pool had not cost us more than $5.00 or $6.00. And what happy, peaceful hours I have spent in this corner of our garden, basking in the sunshine.

Indeed, this serene pool has not only enhanced the beauty of our garden, but also proved a real pal. When I'm tired and nervous with the rush and hurry of this modern life, give me an hour of quiet reading, or just sitting by the tranquil pool, away from the telephone and the doorbell, and I feel peace and calm seeping into my soul.

EDITOR'S NOTE: *The author tells us that the pool above described came through the nearby Long Beach, California, earthquake without developing a single crack—which is testimony to the type of construction and the quality of the homemade workmanship, too.*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NOW HE SLEEPS—SILENTITE WON'T RATTLE

"When the wind blows—the windows will rattle" (an old homeowner's proverb). But not any more! Silentite *can't* rattle and keep you awake.

Silentite is the first window improvement in 300 years! It's made of wood because that's the best material to keep out heat and cold. It's "insulated"—well weather-stripped. It can save as much as 25% of your fuel bill.

Silentite can't rattle or stick. It keeps out dust and dirt. It has no sash cord, pulleys or weights to get out of order. And it's pre-fit at the factory. That means it's easy to install. It's a trouble-proof window that costs no more than other properly weather-stripped windows.

Window "pains" and their annoyances are left out of Silentite by Curtis, America's best-known name in woodworking for over 71 years. Ask any architect, contractor or dealer to tell you how the Silentite Window can make your home more comfortable and economical.

And if you want Casement Windows, investigate Silentite's younger brother, the new Silentite Casement — also "insulated."

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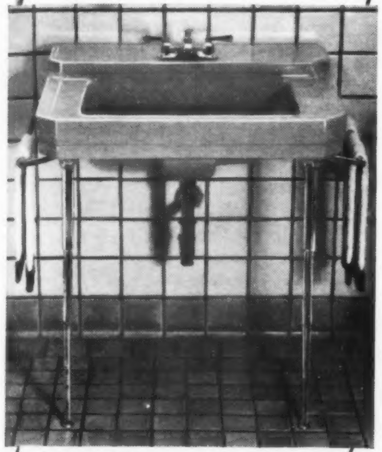

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GLOVER'S

Native fish in our pool

G. H. HARTLE

AFTER the waterlilies had been planted in our new garden pool we began to think of fish. Naturally the first ones to come to mind were goldfish and we soon had several large fan-tails cruising through the water. But, beautiful to our eyes, they were also attractive to the eyes of neighborhood cats and after a few early morning expeditions of these feline fishermen the goldfish had all disappeared.

We then decided to stock our pool with fish caught by ourselves in near-by lakes. To this end we set out one morning armed with our usual fishing gear and a five-gallon oil can which had been thoroughly cleaned. This can had a removable cover which was kept on during the return journey to prevent the water from slopping over. Our fishing operations on this first trip netted us twenty-five sunfish, about four to six inches long, which had been carefully removed from the hook with wet hands. These beautifully colored little fish were transferred with care to the pool where they promptly hid away under the lily boxes which were kept off the bottom of the pool by large rocks under each end. For several days they could not be enticed from their hiding places even when the choicest worms were offered as a reward, but after a week had passed they seemed to be entirely recovered and were actively engaged in exploring their new home and rising to the surface for any insects that were within striking distance. In a short time they became tame and bold enough to snatch morsels of food—flies and bugs—out of our fingers.

Our pool is six by twelve feet with a maximum depth of two and one-half feet, so there is plenty of room for a large number of fish. We returned from our next fishing trip with a few yellow perch but uninteresting fellows they turned out to be, as they never got over the habit of lurking in their hide-aways. Two large crappie about fourteen inches long and a couple of catfish were also added to the collection. The crappie, a very pretty fish, keeps pretty well under cover due to his goggly eyes which are unable to stand any direct sunlight, but on cloudy days and in the evenings he becomes quite active. The catfish prefers the lower regions of the pool and serves a good purpose there by disposing of any food lying on the bottom.

The most amusing and intelli-

Users Assured Him Gilbarco Gives . . .

"most heat per dollar!"

MR. S. KENDRICK LICHTY, *prominent architect of Secane, Pa.,* **SAYS:** "I am writing to express my complete satisfaction with the performance of the Gilbarco equipment which you installed in the model home in the new Colonial Village in Framingham, Massachusetts.

"I specified Gilbarco for this development only after a thorough investigation convinced me that Gilbarco is outstanding in performance, dependability, and economy of operation. Users assure me it gives 'MOST HEAT PER DOLLAR.'"

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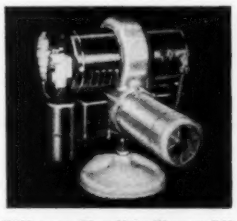

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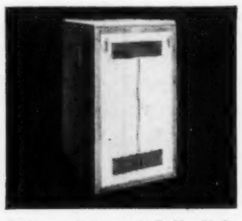

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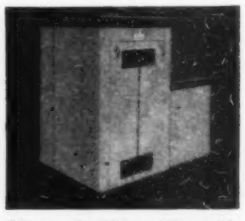

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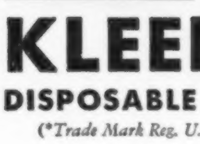

No waste! No mess! Pull a tissue—the next one pops up ready for use!

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(*Trade Mark Reg. U. S. Patent Office)

gent fish (if fish have intelligence) that inhabit our pool are the bass. These were caught in the same manner as the other fish but due to their greater activity it was found that not more than three or four could be brought in at one time. By thus limiting the number caught we would find them still in good condition at the end of a fifty- or sixty-mile drive. After losing several fish we found it necessary to lower the level of the water about a foot before putting in new bass as most of them would conclude that they did not like the place and proceed to jump out of it. In a day or two, however, they would become accustomed to their new surroundings and the pool could be filled up to the brim again.

These bass become tame very quickly and an angleworm held a few inches above the surface of the water will tempt them into giving a dazzling exhibition of high-jumping. Being only about eight inches long, they are incapable of biting very hard but it is always amusing to watch a visiting friend wiggle a finger under the water and then instinctively jerk his hand out as a bass makes a dart toward it. It is also fun to walk around the edge of the pool and watch the bass keeping abreast of you and on the alert for any possible handout. Large bass cannot be kept in a pool unless they are the only inhabitants, but those around nine inches long will get along well with the smaller fish. As practically all fish have cannibal tendencies, it is well to mix only fish of approximately the same size together.

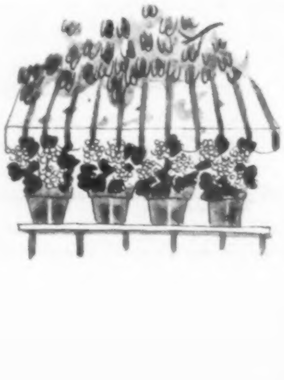
We have noticed that none of these fish will eat any food until they have been in the pool about a week; this is probably due to the sudden change from their accustomed lake to the new water. We feed them raw beef, liver, and fish, always chopped up into small pieces, although when hungry they will even eat bread. They receive quite a bit of natural food in the form of insects that fall into the pool, and as we work in the surrounding garden we give them any stray angleworms or grubs that are found. Another of their favorite delicacies is the earwig, a bug that is, sad to say, only too plentiful here in the Pacific Northwest where it is trapped in tin cans and pieces of hose placed along the flower beds. Live food is always preferred by the fish. During the three coldest months of the year (December, January, and February) the fish seem to quit eating entirely and simply lie close to the bottom, moving but little. There is not much severe weather on the Pacific Coast; still there have been times when two or three inches of ice have formed over the surface of the pool without harming the fish in any way.

Although we have no running water in the pool, the water seems sufficiently fresh to support a large amount of fish life. Of course considerable fresh water is added to take care of the loss due to evaporation and to the fact that we dip out quite a bit in a bucket kept handy for watering special plants and transplanted shrubs. When small amounts of fresh water are added, the nozzle on the hose is set to form a spray similar to that used when watering flowers. This serves the double purpose of adding a considerable amount of oxygen to the water and of clearing up the pool. The pool is drained and cleaned three times a year.

We find the following game fish all suitable for planting in a small pool: black bass (large and small-mouthed); any members of the sunfish family such as bluegills, blue perch, blue bream, crappie, calico bass, and blue sunfish; and members of the perch family, including yellow, ringed, striped, and zebra perch. If running water is available, trout may be raised successfully although they are so wary and keep themselves so well hidden that they are not of much interest to watch in the pool.

Non-game species, such as squawfish, suckers, carp, catfish, and bullheads, will all do well but they show a decided preference for keeping close to the bottom.

This stocking with native fish has shifted a great deal of the interest and action in our garden over to the pool and the fish are



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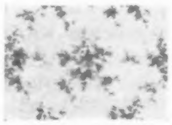
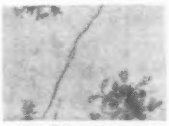


Wall-Tex Beauty in Pattern 3407



Wall-Tex prevents these plaster cracks

This letter is typical of the experience of Wall-Tex users. After decorating one or two rooms with Wall-Tex, they want its practical features for enduring beauty thruout the house.

Wall-Tex is so easy to keep clean and sanitary. It washes like porcelain. Soot streaks, grease spots and finger marks are removed quickly and completely with soap and water—as often as necessary—without harm to the daintiest colors. Equally important is the strong Wall-Tex canvas base which reinforces the plaster and prevents unsightly plaster cracks from marring the beauty of walls and ceilings.

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Send me Wall-Tex portfolio with color illustrations, including Wall-Tex swatches.

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For free samples of BONTEX Washable Window Shades and LINTEX Stainless Table Cloths, check here . . ☐

A CORRECTION

Portable pots for flexible gardens

The brief reference in our July issue to the new style flower and plant pots used in the "flexible garden" of the Ladies' Home Journal "House of Tomorrow," unintentionally erred in stating that they were designed by the landscape architect who planned the garden. Actually, the pots were designed by Howard Studios, Inc. in New York City, and manufactured in the factory of that establishment, to which we extend our regretful apology.—HORTICULTURAL EDITOR.

How's your baby's appetite?
HEINZ
STRAINED
PRUNES
WITH LEMON JUICE
57 VARIETIES

Feed your tiny tot Heinz Strained Foods and see how eagerly he eats! He'll like their natural color! He'll appreciate the tasty flavor Heinz cooks in—never out. Choicest fruits and vegetables are prepared *scientifically* to preserve vitamins and minerals. There are 12 delicious Heinz Strained Foods from which to choose. You pay no premium for their extra quality.

Choose his favorite from this list

Vegetable Soup
Peas
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GUARD YOUR BABY'S HEALTH—LOOK FOR THESE TWO SAFETY SEALS FOUND ONLY ON

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57 HEINZ
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EARN EXTRA MONEY! Take orders from friends and others for amazing new Christmas Card values! *Made-to-order* with sender's name. You sell 50 folders for only $1.

Sell 50 With Sender's Name FOR ONLY $1.00

FREE Samples. Liberal earnings. Many men and women earn up to $2 in hour. No experience needed. Also sell $1 Assortments of **25** Christmas Cards; others 50c. Make big money every week now to Christmas, full or spare time. Send today for **Free Selling Outfit.**

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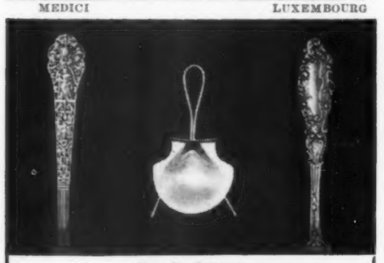

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Sterling Silver Brandy Burner, an unusual and attractive gift. Price $2.50 each.

Unusual Opportunity

To match your obsolete, inactive and modern flat silver patterns. We have a stock of more than 220 patterns of silver flatware ranging from the Early American, made more than 100 years ago, to the present-day patterns.

In most instances this silver is offered in practically the same condition as new and at attractive prices.

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attracting considerable attention from neighbors and friends. However, it has caused great disappointment among the feline fishermen of the neighborhood. There was one large Tom-cat in particular who seemed a very ardent fisherman and who, like other followers of Izaak Walton, made it a point to be on "the lake" at daybreak. As long as the goldfish lasted he made some wonderful catches, but the wild fish were too smart and too quick for him. The very existence of these fish in their home waters depends upon their ability to elude many enemies, both in and out of the water. This ability developed into an instinct, made them a very difficult prey for the old Tom. With great patience he would crouch motionless by the pool and, if by any chance a fish ventured close enough, he would make a determined grab with his paw—only to see his breakfast go flashing under a lily box. But even anglers can get discouraged, so now our pool is passed up in disdain by all cats who would a-fishing go.

Our two-legged fishermen friends, however, are still showing a keen interest in the game fish as a potential source of the answers to all their problems. Two fishing enthusiasts will spend hours at the pool in discussion and experimentation. How far away can a bass see a bait? How soon does he strike? How fast a moving lure will he strike at? Does a splash scare him? How well can fish see objects out of the water? Will a crappie take a motionless bait?

These and countless other questions are all answered after much argument and research and our fishing friends always leave the garden with the firm belief that the next time they go to their favorite lake they will know just how to fish it.

There is only one question that remains unanswered and probably it is just as well—What do the fish think about all this?

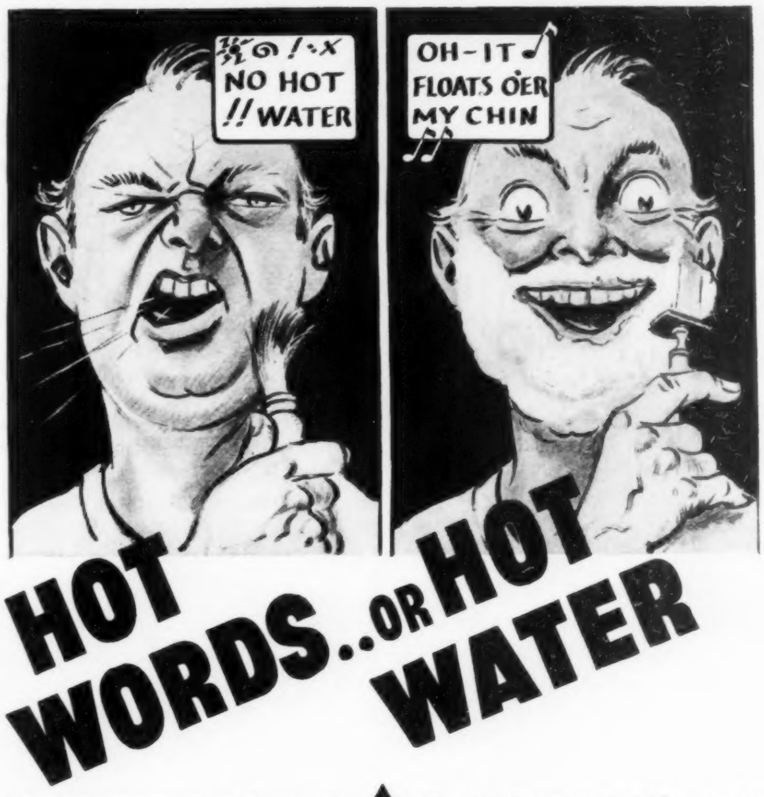
It can be done!

[*Continued from page 35*]

Such a small house, well studied as to plan, offering a pleasant rear garden and an almost formal dignity for its street front face is an encouraging witness that small houses can be something more than "cute." And for the benefit of all the authorities who claim good houses cannot be built for less than five thousand, this little California residence proves that occasionally it *can be done* and with great success!

—Ethel McCall Head

What happens when you turn this faucet?



Here's what you get with out-of-date heating arrangements and tanks that rust:

Hit-or-miss hot water service. Cool when you need it most, always demanding attention.

Dirty-looking, discolored water—unpleasant to use and bad for linens—from a rust-encrusted tank.

The constant fear that something may go wrong.

A tank that rusts soon "busts". One leak follows another. Replacing such a tank is almost as expensive as buying a new heater.

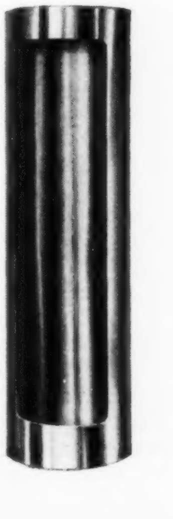
Here's what you get with an automatic electric water heater with a Monel tank:

All the hot water you want—all day long—without ever giving it a thought.

Fresh CLEAN inviting hot water from a sanitary, rust-proof Monel tank. Safe to use in cooking.

The safety, efficiency, and low cost of electric operation.

A tank that never rusts out. Rust-proof Monel tanks are guaranteed for 20 years. And their "life" expectancy is far longer than that.



Why deprive your family of the joy and comfort of automatic hot water a week longer? The leading manufacturers of electric water heaters are now offering new models with Whitehead* Monel tanks on extremely liberal terms. A few dollars down and a few cents a day brings this luxury to your home. Ask your electric light company or Electrical Dealer for prices. And for long life and complete satisfaction, make sure your water heater—no matter what type or make you buy—has a Whitehead Monel tank. *Reg. U. S. Pat. Off.

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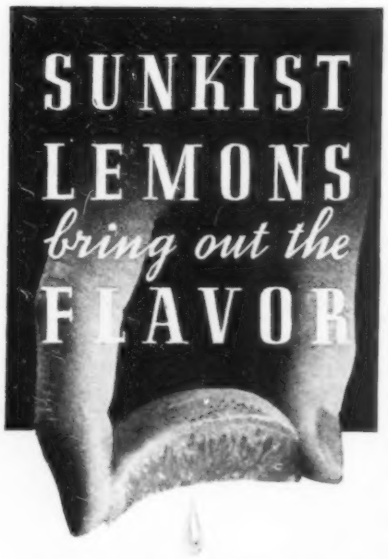
METAL PRODUCTS COMPANY OF NEW YORK, INC.
304 Hudson Street, New York, N. Y.
Manufacturers and distributors of Whitehead Monel sinks and tanks and Whitehead steel kitchen cabinets



Adding a few drops of lemon during cooking does wonders in bringing out the garden fresh flavor of fresh vegetables. Many, particularly the green and leafy ones, also should be served with generous lemon quarters, convenient to squeeze.

It's a matter of good taste – *and good digestion.*

FREE BOOKLET
OF 200 RECIPES

Many ideas for decorative lemon garnishes are included in the colorful Sunkist recipe booklet. Mail the coupon now for your free copy.

Copr., 1937, California Fruit Growers Exchange

Taste what lemon does for tender *fresh* vegetables!

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Sec. 2109, Sunkist Building
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Send FREE, "Sunkist Recipes for Every Day."

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Right from our own kitchen

There's nothing like a change in the breakfast menu now and then to brighten young eyes, and motivate compliments from in-a-rut husbands. Even such a simple thing as apples baked with raisins will do the trick. Here's the way we baked them in our kitchen recently and they were quite a success: We removed the cores from large tart apples with red skins, and filled the cavities with chopped, seeded raisins. Then we poured a ¼-inch layer of water into a baking pan and added from two to four tablespoons of sugar—depending on the sweetness of the apples. We covered the pan and baked in a moderately hot oven (375° to 400° F.) for about 30 minutes or until the apples were tender. A time and fuel saving idea is to bake them the night before while you're preparing the roast for dinner.

If you'd like to try a new breakfast cereal as well—try shredded Ralston which consists of tiny two-thimble-size shredded whole wheat biscuits that are all ready to serve with the usual cream or milk.

And do you know about the new canned strained liver soup? Exclusively for babies, it has been prepared with liver, strained carrots, potatoes, lima beans, celery, onions, tomatoes, barley, wheat germ, and a little salt. But it still tastes mostly like liver. Wonder what kind of soup they'll think of next? Gerber Products Co.

—Julia Bourne

For handy husbands and tinkerers

[*Continued from page 45*]

without great cost because I am, by preference and habit, a secondhand-store prowler. If you can prevail on some old carpenter to help you shop you will buy fine used tools at something like half their original price. In a little while you will find, morever, that you are acquiring a "feel" for good tools; you will be able to tell a good hammer by its balance, a good saw by its ring and the condition of its teeth, a good-edged tool by the evidence it gives of having stood up under many sharpenings. But whatever you do, don't buy cheap tools; I mean new tools manufactured and retailed just to sell at a low price. I go so far as to buy first-grade nails, brads, screws, and other essentials also; the five-and-dime is a shopper's paradise for some things, but not for the materials that a handy husband needs.

All right, you've decided to start with fine tools. You have plenty of uses for your money, we'll assume, so you will have a small budget for your first outfit. Therefore, we will limit ourselves to essentials: something like the following list:

Cross-cut saw, medium set
Hammer (weight and hand-grip to taste)
Square (and don't get a 12-inch one!)
Small "block" plane (best for all-around use)
Pair of pliers, with built-in wire-cutter
"Yankee" drill
Medium screw-driver
Chisel (¾" is the one to start with)
"Stilson" wrench (10" size)
2 medium files
Oil-stone and oil
3 grades sandpaper
Carpenter pencil
Nails, screws, brads, hooks, etc., to suit

With proper guidance you can buy all the tools mentioned for ten dollars, by going to a second-hand store. New, you will pay $18 or more. If you don't trust yourself and don't know anyone to ask for help, it would be wise to visit your local hardware store. Here you will find an older clerk who will get as excited about your orders as you are, and you may be sure that you will get your full money's worth because, considering what you are buying, fine tools are amazingly inexpensive. Most of them will last a lifetime, if young Richard doesn't borrow them to build a fort or "lady wife" employ them for opening cans or oysters!

In *using* tools remember another of old Uncle Adam Smith's sayings: "Let the tool do the work!" Don't "push" your hammer, but let it swing. Don't hurry your saw; never *lean on it*, as it were. Don't try to prove to a plane or a chisel or even a screw-driver that you are stronger than it is. As in golf, the club-head does the work; and you only have to "follow through." Secondly, keep your tools sharp. A dull tool is no tool at all!

On the other hand, don't let your tools injure the material they work on. Learn to hit the nail, not a thumb or a casing. Don't let your chisel or screw-driver slip. If the Stilson wrench is used on fine-finish plumbing, curb its sharp bite with a rag or a small piece of inner-tubing. When using your saw give yourself a sharp, single pencil mark to cut to and then *make* yourself saw to that line. It's not as easy as it looks, either! In planing, go with the grain, not against it; when working across the grain (as on the end of a board) work from both corners toward the middle so as to avoid splintering. In short, be consider-

"But, my dear, you should put Baby on Gerber's!"

"I know you want to give your baby the *best* care and attention. You can do that however, not by slaving over the cooking and straining of vegetables and fruits, but by putting baby on Gerber's. Why don't you ask your doctor?"

More mothers buy Gerber's

"I am glad I took my neighbor's advice. Look at baby—so happy, healthy! He's done *so* well since I've been giving him Gerber's. No wonder that *more* mothers buy Gerber's!"

"And Gerber's Strained Foods are such time-savers. Now I've *extra* hours every day that I can devote to other necessary phases of baby's welfare. Gerber's makes me a better mother!"

Look for the happy, healthy Gerber baby on every can of Gerber's Foods.

Gerber's

Shaker-Cooked Strained Foods

STRAINED VEGETABLE SOUP—TOMATOES—GREEN BEANS—BEETS—CARROTS—PEAS—SPINACH—PRUNES—CEREAL—*And Now:* APRICOT AND APPLE SAUCE—LIVER SOUP WITH VEGETABLES.

Get This Gift For Your Baby

A choice of boy doll in blue or a girl doll in pink, of high quality sateen, all stuffed and trimmed. Sent for 10c and 3 Gerber labels. Check items desired:

☐ Boy Doll ☐ Girl Doll.
☐ Mealtime Psychology, a free booklet on infant feeding.
☐ Baby's Book on general infant care, 10c additional.

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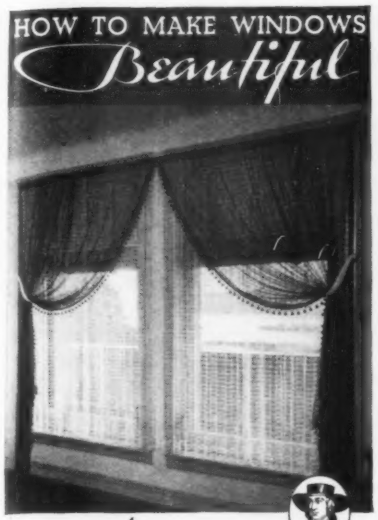
Dept. 99, FREMONT, MICH.

(In Canada, Gerber's are *grown and packed by* Fine Foods of Canada, Ltd., Tecumseh, Ontario.)

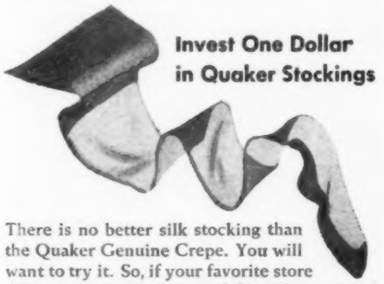


with
Quaker Net Curtains

Smart new window treatments are based on Quaker Net Curtains. The illustration above shows oak brown Quaker Sheercord overdrapes with white Sheercord glass curtains. Fine combed yarns insure maximum transparency: three-thread construction gives unchanging beauty and lasting service: the name Quaker (look for it in the top selvage) guarantees style leadership.

Send For This Book

Would you like to see how other smart women treat their windows? This "Correct Curtain" Booklet shows over forty photos taken in some of America's most charming homes. Send 10c for booklet A 97 to Quaker Lace Company, 330 Fifth Avenue, New York.



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Guaranteed heat-proof, liquid-proof. McKay Ventilated Table Pad (established 1911) has built-in air spaces, washable top, rolled edge, soft fabric bottom. Folds up. Made to measure. Write for pattern paper, prices, circular.

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ate of your tools and your materials, and they'll respond like gentlemen!

Well, now that you have your tools, what are you going to do with them, as a handy husband? Suppose, next time, we visit a little about odd jobs of furniture repairing, which is, perhaps, as good a place to start as any—or even better!

Oilcloth cornice

[*Continued from page 44*]

new color into the kitchen or bath, the patterns and colors of the oilcloth suggest no end of freshening up the windows. Oilcloth with large polka dots is new, and there are many new plaid and stripe combinations. Bright red scallops over yellow plaid; bright blue over red and white polka dots or brown and white dots over plain cream-colored draperies. These are but a few of the many smart combinations possible.

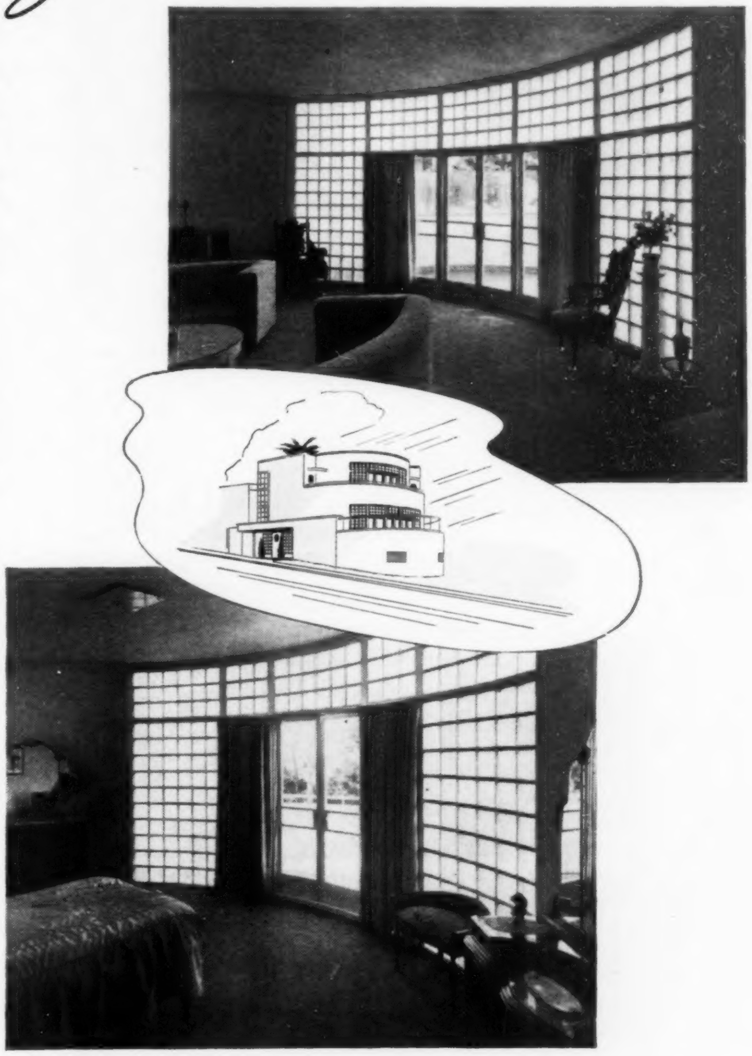
Measure off the material in the width you wish, allowing about an inch to turn over the curtain rod on which your glass curtains hang. You can get the size scallop you want by drawing a half circle with a compass, or by using a round dish that is the right size. Draw the scallops in pencil and then cut out the design with sharp scissors. Fold the top of the oilcloth cornice back over the rod and pin each end to the curtains on the under side to hold it in place. If you wish an effect more nearly resembling the wood scallops, back the oilcloth with cardboard and hang the cornice on brackets from the wall instead of using the curtain rod. . . . Helen Bell Grady, San Francisco, Calif.

Grand order of fireplace fanatics

[*Continued from page 45*]

Approve? Any further suggestions? If not, let us get on to the "fan mail" which needless to say is pretty thrilling. Mr. Cresse makes my fireplace activities seem trivial. Perhaps he will be elected to succeed me as Keeper of the Fire, at the next election! He writes, "I enclose a snapshot of *one* of my fireplaces. The mantel is hewn from a plank taken from the hull of the British ship *Augusta* which was sunk in an engagement at Fort Mercer at Red Bank in the Delaware River on October 21, 1777. The large easel at the right is a device used for planking fish before the open fire. In addition to two fireplaces

Life is richer **IN HOMES LIKE THIS**



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If you contemplate building a new home or modernizing your present one, talk with your architect about the use of Insulux Glass Block. In the meanwhile use the coupon for fascinating details about Insulux. Owens-Illinois Glass Company, Toledo, Ohio.

OWENS-ILLINOIS GLASS COMPANY,
Industrial and Structural Products Division,
Toledo, Ohio

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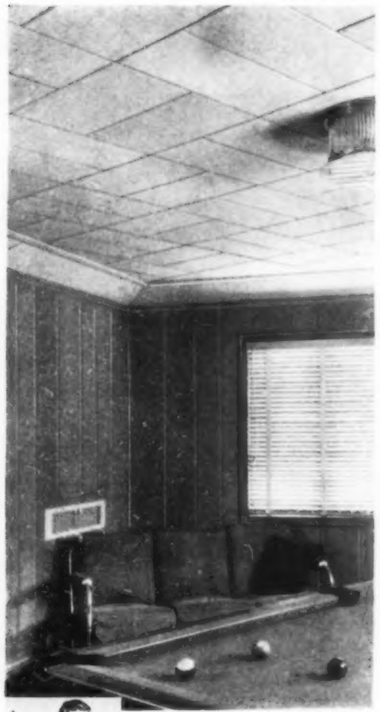

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Gentlemen: I want to know more about Nu-Wood for ☐ New Construction ☐ Remodeling Please send me complete information and illustrations.

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in my lakeside cottage, I also have an outdoor fireplace and am hopeful that I shall have time enough later on to erect a gigantic one in the guest cabin I am planning to build . . . Wadsworth Cresse."

Here's one from Carroll McTavish Elder, owner of Holly Point Forge in Bozman, Maryland:

"I hereby humbly ask to be taken into the fold of F.F.I.'s. As I have been enjoying Fireplace Cookery for years I naturally enjoyed your article very much. I'm glad to see that you followed it up. Don't you think that The American Home should give us a page so that we could swap recipes of honest to goodness food?

"As far as fireplaces go, I am really blessed. I have at present three of them. A big one outside, one for oyster roasts, large steak-eating contests, freshly caught fish broiling, etc. Then, I built myself a 12′ x 16′ log cabin with an honest to goodness Colonial kitchen fireplace with brick oven, and all the other cooking gear of the Colonial times. This is for small intimate crowds that really enjoy this sort of thing. Last but not least, I have a grate in the living room rigged up with trivets to make hot toddies, and keep mulled wine hot.

"I started cooking as a kid, and I pride myself in being able to make any of the girls fall off the old diet schedule. I think the greatest trouble is variety. That's why I think there should be some way of swapping recipes.

"Sometime try baked onions: Select even sized Bermuda onions and put them in the coals just like potatoes. Have a saucepan with hot melted butter. When the onions are done, put on a glove and squeeze the innards out of the burnt outside into the butter, add salt and pepper—pretty good!!

"Hoping you will write some more on the subject. Very truly yours, Carroll McTavish Elder.

"P.S. Please pardon the scrawl, but we are having a tremendous storm with a high tide, and the sea is rolling in on the lawn. Between jumping up and looking out of the window to see if any of the trees are going, and mopping up around the windows and doors I'm having a . . . . . ." (censored).

Here's another from Harford Powel of New York City, written last May: "Thanks a lot. I've never had so many letters from a man I never clapped eyes on, nor such good letters from anybody. Build your Fireplace Fanatics up a little, and write about it, and you'll be surprised. Winter's the time of course. Speculate on what you could do with a bang-up letter from yourself to be read aloud at the fireplace, once or twice a month—it might carry you far. President Roosevelt's so-called fireside chats carried *him* far.

"Do you ever or never come east? Or do you consider you are now east, and that our little islands off the coast are undeserving a visit? You really ought to crank up the family Marmon, and see the coast (the Atlantic Coast) from Baltimore north to Bar Harbor, no later than this summer. You'd learn things about fireplaces—every house preserved by the Society for the Preservation of New England Antiquities has one or more fireplaces as big as a sod-house, and just as fully furnished.

"Even more important, you'd see how we city folks are flying to the farm. Strout's Agency has never been busier. I was talking to one of their New Jersey men yesterday. He is so busy selling remote Jersey farms to New York City people that he doesn't regret the hotel he used to run in China. Honestly, Wendell, you'd get a lot of stuff for your paper by snapshotting a lot of rehabilitated farms and showing what people who know luxury put into them. You've probably the best medium in America for such gadgets as the G.E. dishwasher, etc. Come and have a look, and look at me into the bargain. Best luck. Sincerely, Harford."

Grace McIlrath Ellis is not in favor of the "Great Order of Fireplace Fanatics" unless Mr. Smith also has a *Dis-Honor* Roll for those hardened souls who *have* perfectly good fireplaces but who never use them, *because,* they say plaintively, "they are dirty."

In fact my town seems divided into two groups—both unhappy—i.e. those who *have* fireplaces but board them up or never *use* them, and those who'd *give a right eye* for one, but have been able to rustle-up no eye-takers.

It is to the latter group that I belong. And I should like, specifically, to add my name to the new order roll (even though I have no concrete qualifications) merely because I love what a good fireplace, properly run, will do for a home. I grew up with a fireplace, but was immediately hurtled out into the world without one. I hope that, as an old lady, I shall be able to sit and rock before a crackling blaze and make up, in some measure, for what my middle years have been forced to forego.

P.S. But the fireplace-possessors who never use their treasures *should* be punished.

David A. Large of Denver says he'd put a second mortgage on his penny bank to finance a bigger fireplace (and a subscription to The Amercan Home!) for one

A low-price fixture with high-class features
HAMPTON

KOHLER Shelf-Back

Space that saves space . . . that makes your morning "wash-up" quicker, simpler! Kohler's Hampton has something new in lavatories — 72 useful square inches of shelf for razor, shaving brush, toothpaste, other bathroom articles.

Outstanding features of this outstanding fixture include: rigid enameled cast-metal construction; 15″x11″ basin; out-of-the-way mixer-type fitting; pop-up drain. The Hampton's smooth, clean-cut lines strictly adhere to the Kohler ideal of beauty and grace. Its compact design — planned for small bathrooms — harmonizes with other distinguished Kohler fixtures. Kohler quality and Kohler efficiency go clear through.

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Make him your sanitation engineer. He knows what's best for bathrooms—kitchens too! Ask him about Kohler's Time Payment Plan — three years to pay. Write for free booklet in color, "Planned Plumbing and Heating." Kohler Co. *Founded 1873.* Kohler, Wis.

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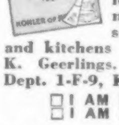

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The ideal fireplace for homes, camps and basement recreation rooms. The Heatilator actually circulates heat—provides a correctly designed form for the masonry to assure smokeless operation. No limit to mantel design—saves labor and materials. Adds little to fireplace cost.

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Can't explode 10¢

more article like that he-man Fireplace Cookery. Mrs. Martha Wales Turner writes from Greenwood, Mississippi, that they roast sweet potatoes and cook corn pone in the ashes down there in Dixie. Delpha Doriot liked the article well enough to write from Portland, Oregon. Mrs. Myra A. Cavanaugh of Washington, D. C., thinks I write with charm and Florence M. Weiss wants to know why I don't write a book on Fireplace Cookery.

All grand BUT—still no word from Mrs. Jean Austin with reference to my design for a letterhead for the G.O.F.F. etc. I therefore enclose the following letter which needs only to be checked and returned by your secretary.

Dear Mr. Wendell Smith:

I am checking my personal reasons for not writing to you, and for not returning your miscellaneous fireplace trivia in the nature of personal letters from readers, photographs, designs, and ideas concerning the Great Order of Fireplace Fanatics.

1. Your stuff has given me a headache and I spend all my time running back and forth to the corner drug store for aspirin. ☐
2. I have been too busy filing your incoming contributions in a remote filing cabinet, and you do not give me a chance to see your material between times. ☐
3. You are a trusting fool to think that you will ever hear from the great A. H. magazine more than once a year. ☐
4. You should know by this time, that you should never send a publication any original letters which you might treasure and want back. ☐
5. Just because you sold us a dinky little article on Fireplace Cookery, you must not get the idea that we want you to write a book about it. ☐
6. Even though you had personal letter response from O. O. McIntyre, Christopher Morley, and Harford Powel last week in response to your invitation to become members of the G.O. of F.F., is no reason for you to get your chest out of joint and expect us to share in your enthusiasm. We are publishers, not fanatics. ☐
7. I'm holding your stuff until I get enough to start a fire in my fireplace this fall. Keep on sending! If I discover a cheaper and better fuel in the meantime, I'll let you know. ☐
8. Half dozen other reasons. ☐
9. I advise you to put out the fire, forget all about fireplaces, and go to bed. ☐
10. Other reasons. ☐

Sincerely yours,
Jean Austin, The Editor.

IT HAPPENS IN THE BEST OF HOMES!
TELL MOTHER I'VE GOT TO WORK TO-NIGHT, BETTY
OKAY, DADDY, SHE'S DOWN FIXING THE FURNACE AGAIN
WISH I COULD AFFORD AUTOMATIC HEAT, JOE
YOU CAN! WE HAVE IT AND I MAKE LESS THAN YOU DO
DOESN'T IT KEEP YOU BROKE?
NO! I SPEND LESS FOR FUEL NOW, JIM
MY WIFE AND I NEVER TEND FIRE OR SHOVEL COAL
BUT ISN'T AUTOMATIC COAL HEAT DIRTY? THAT MEANS WORK FOR MARGE
NO! THAT'S WHAT I THOUGHT, BUT THIS F-M AUTOMATIC COAL BURNER IS AS CLEAN AS ANY KIND OF HEAT
I LIKE THE IDEA OF LOW-COST FUEL
SO—JIM INVESTIGATED AND QUICKLY PUT IN AN F-M AUTOMATIC COAL BURNER
YOU DARLING! I HAVEN'T BEEN NEAR THE FURNACE ALL WEEK!
YOU LOOK BEAUTIFUL, DEAR... LET'S GO TO A SHOW TONIGHT

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Even if you don't believe that automatic coal heat is as clean as any kind—*investigate.* Read this book and scores of letters from people who have enjoyed the freedom from drudgery, lower cost, cleanliness, and healthfully even temperature of Fairbanks-Morse Automatic Coal Burners. Available in sizes for commercial and industrial use, as well as domestic.

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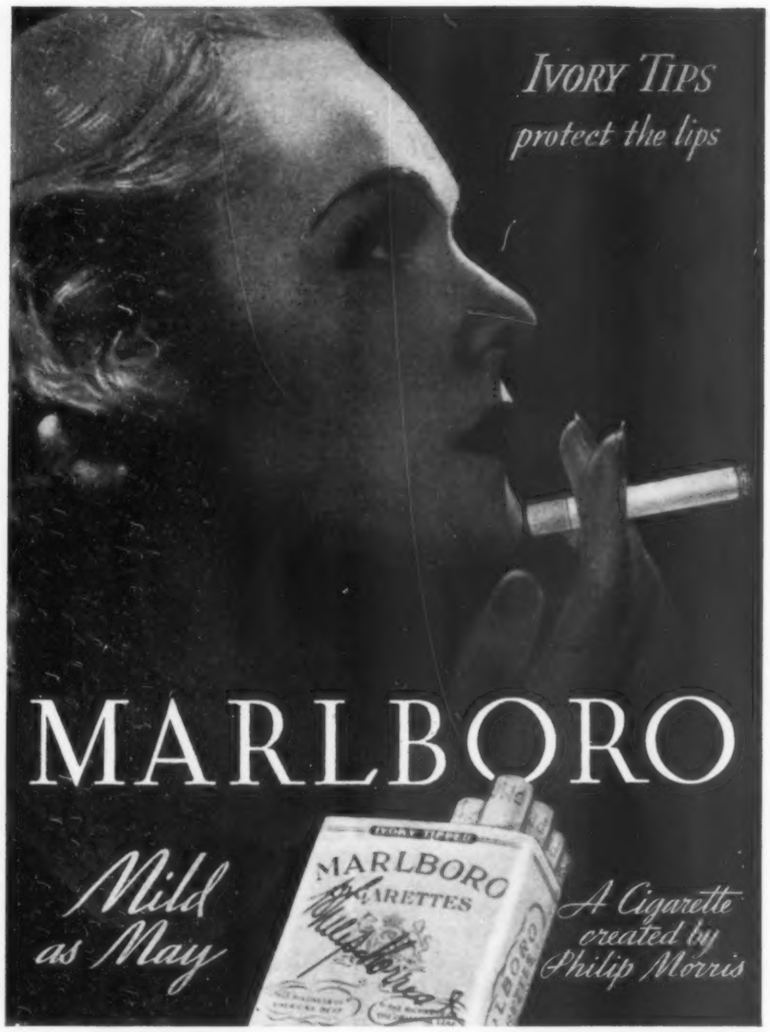

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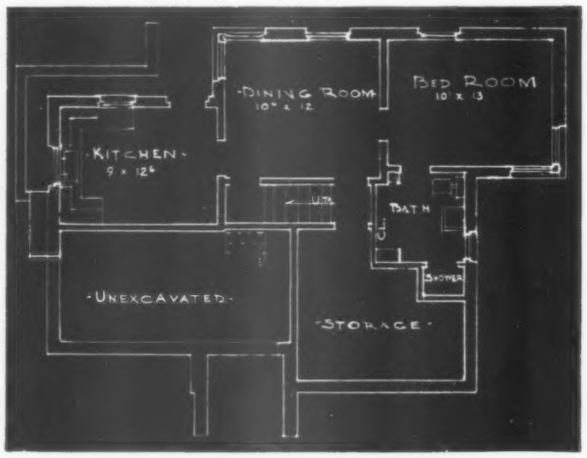
Three-cornered living in Austin, Texas

[*Continued from page 30*]



LOWER FLOOR PLAN

which offered no certainty of proving successful. Now, after two years of sharing our home in common, we have come to think of it not so much as an experiment as a plan of living which has many advantages.

We are all members of the same department in a great university. Mary has acquired a national reputation; she is highly successful in her field. Jane, too, is well established and successful; and I, Martha, enjoy the reflected light of their eminence. I was fortunate, a few years ago, in coming into a small legacy which was yet large enough to justify the purchase of a long coveted lot. Through the coöperation of a reputable firm which encourages prospective home owners, we were able to secure the money necessary to build the house, and now we are entertaining the hope that in fourteen years or so we may actually own our own home.

There were three factors which made this particular lot desirable in our eyes. First, it has a very decided slope from south to north; second, it boasts some very fine shade trees; and third, and most irresistible, one corner of it is cut by a stream which presents unlimited possibilities for lily pools, rock gardens, and the like. What we did not realize is that there is a reverse side to all of these attractive features. We did not know that the sloping lot would cost us several hundred dollars in masonry work, that the shade trees do not encourage the growth of grass nor that the stream can become a nuisance if a turtle dies in the middle of the pipe which carries it under the street, and a sluggish green lake if a neighbor, equally rock garden minded, dams it up below.

But had we known all this we still would not have been turned from our purpose. Indeed, the rock walls have formed terraces we did not plan and which greatly add to the attractiveness of the lot; carpet grass imported from the Rio Grande Valley grows luxuriantly under the trees, and the stream continues to possess all its pristine possibilities, because we've done nothing with it so far but encourage the honeysuckle vines and rambler roses that were growing there originally in profusion.

Jane and I had all the fun and all the discouragements which accompany housebuilding. We were inclined to the modern type of house, so we chose for our architect a young man who felt as we did about it. We said we must have one story at the front and two at the back in order to utilize the slope. We like that kind of house. With the plans all drawn, a consulting architect said the slope did not warrant the one-story-front and two-story-back idea, so for a time everything was at a standstill. Then we decided to go forward with the first plan even though it became necessary to excavate rather deeply. But the result—and that is what counts—is very satisfactory. We have a sunken terrace surrounded by retaining walls and French doors lead from the dining room on to this terrace where we do our entertaining when the weather permits.

The house is of brick veneer painted white. In order to give a desirable touch of color we had the front door painted Chinese red. This is relieved by an insert in wrought iron of a deer rampant. The deer motif recurs in various parts of the house for no particular reason but that we consider it graceful and decorative.

Since a southeast exposure is very desirable in Texas and we were anxious to have the bedrooms catch the Gulf breezes on hot summer nights, we planned a jog in the east wall which gives this exposure to two bedrooms which would not otherwise have it. Only Jane's room at the back and across the hall from Mary's is lacking in the desirable exposure. Since it is very snug in winter and Jane is too amiable to complain, it isn't important that in the matter of breezes one of the four bedrooms just didn't come out even.

Among our treasures are three lovely water colors by the famous Texas painter, Dawson Dawson-Watson. It was the desire to set them off to best advantage that prompted us to use plain cream color on our living room walls. Their soft greens and terra cottas have set for us the colors of our furnishings.

We live well—far better than any one or two of us could live otherwise. It is true we have our idiosyncrasies, but we manage to subdue them rather successfully. We like having a capable, trim little café au lait colored maid, who, aware though she must be of our individual failings, is ready to humor us in all our peculiarities. We like to entertain, to have people "drop in" to discuss the latest convention in Houston or New Orleans. We like getting wires from friends at a distance who are going through to Florida and want to spend the week-end with us, or perhaps an airmail special from friends in Denver saying that now, since we have enough room, that promised visit is about to materialize. We like to have impromptu suppers on the terrace around the barbecue pit, or Sunday morning breakfasts there in warm weather, under our shade trees. We like, in fact, all that goes into pleasant and friendly living. We work hard all day, and our day does not end with the five o'clock whistle. But there are plenty of times when we can congratulate ourselves all over again on having the courage to work out this scheme whereby we can have a home which we all like and by pooling our resources live comfortably and on a scale otherwise quite impossible to any of us.

An afterthought occurs to me: it is Martha who prepares the chicken mousse for the refrigerator and it is Martha who wisely chose her room on the ground floor so that when discussions or games last too long, she can slip away to her sound-proofed bedroom. Herein lies the ultimate advantage of being one of three hostesses!

Fieldstone and clapboards

[*Continued from page 23*]

STAIRS: Treads—oak. Risers—white pine. Stringers—spruce.

FLOORS: Living room—random width oak. Bedrooms—2 in. face white oak, ⅞ in. thick. Kitchen and bathrooms—linoleum covered pine.

WALL COVERINGS: All rooms—wallpaper. Bathrooms—Sanitas.

WOODWORK: Trim and exterior doors—special white pine. Interior doors—6-panel Colonial, Morgan Sash & Door Co. Shelving and cabinets—special. Garage doors—overhead type, J. G. Wilson Co.

HARDWARE: Interior and exterior—some special hand forged, remainder by Schlage Lock Co.

PAINTING: Floors—stained and waxed. Exterior trim and sash—paint.

KITCHEN EQUIPMENT: Stove—gas. Refrigerator—General Electric Co. Sink—Kohler Co.

PLUMBING: All fixtures by Kohler Co.

HEATING AND AIR CONDITIONING: Oil burner. Air conditioning system and thermostat control—Gar Wood Industries, Inc. Hot water heater—electric.

Boon to busy housewives

Greatest innovation . . . greatest convenience in ironing since the electric iron itself. New IRONEASE REEL prevents cord from interfering with iron and crushing or soiling fresh laundry. Cord can't touch work. Reduces time, effort and annoyance. Built to highest electrical standards. Listed by Underwriters' Laboratories. Approved by Good Housekeeping Institute. GUARANTEED for 1 year against defects in workmanship or material. Includes handsomely finished 5-inch reel, 6 ft. of electric cord to nearest outlet and generous length of extra cord attaching to iron and reeling in and out with featherweight tension unnoticed by user. Detachable swivel mounting permits free motion.

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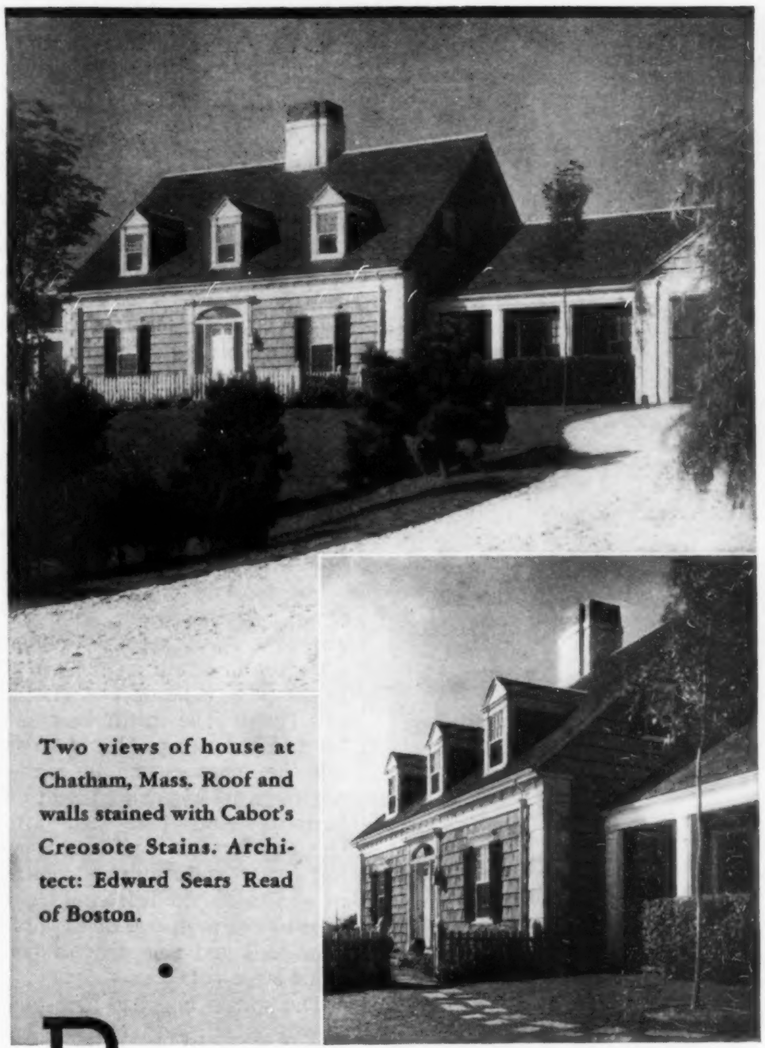

Two views of house at Chatham, Mass. Roof and walls stained with Cabot's Creosote Stains. Architect: Edward Sears Read of Boston.

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As Oregon knows the spittle bug

A good example of the variation in conditions found in different parts of this broad country is supplied by an interesting letter from Dana Aider of Mount Angel, Oregon, which we print hereunder. We stand corrected as to the economic status of the spittle bug (we still consider it an "interesting phenomenon") and are glad to have the information, much as we deplore the condition reported, and sympathize with the gardeners who have that additional enemy to contend with.—HORTICULTURAL EDITOR

SEVERAL hundred Oregonians arose in wrath on the arrival of the June issue of THE AMERICAN HOME. The spittle bug, said an article on page 111, is an interesting phenomenon of nature, not to be worried about, and unharmful. And that just after Oregon farmers and gardeners had spent thousands of dollars in efforts to rid fields and gardens of the pest, one of the most obnoxious and persistent of Oregon's large collection!

The spittle bug has long been known in Oregon, children here universally referring to the white foam that appears on grasses and plants in the spring as "snake spit." Nothing was done about its control until, about ten years ago, the bug had increased in sufficient numbers to feel safe, mobilize, and attack Oregon crops. Acres of grain, clover fields, and corn fell under its attack. Lovely delphiniums, roses, companulas—almost every garden flower—was weakened and suffered, coming into bloom in a crippled condition, if it bloomed at all.

Then the state experiment station set to work and war was declared upon the spittle bug! Experiments proved two dusts to be efficacious—nicotine-hydrated lime, if strictly fresh, and rotenone dust which is considered the most efficient. Since then, control of the spittle bug by dusting has become just as much a matter of spring routine as spring spraying of orchards. In the spring of 1937, power dusting machines came into use, and hundreds of acres of strawberries alone were dusted. The dusting of roses and other garden plants with hand dusters for spittle bug control is done as regularly and systematically as lime-sulphur dusting or bordeaux mixture spraying is done for black spot, mildew, rust.

To anyone who speaks of the spittle bug as unharmful, interesting, and acceptable, Oregon says: "Phooey! Just wait a few years!"

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The EMPLOYERS' GROUP

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THE EMPLOYERS' GROUP
THE SERVICE THAT SATISFIES

Comfortable one-room homes

[*Continued from page 54*]

Even in a limited space, one or two occasional tables are a necessity but they must be so chosen that they can be used for serving tea, for playing bridge, or in idle hours for supporting a lamp, some books, and perhaps a few choice objets d'art. A tiny low table that can be easily moved from place to place is a convenience for dispensing smokes and drinks.

Of course, one must have chairs—always comfortable ones, if possible, and with a few rugs or a solid carpet rug and curtains, the framework for furnishing this type of apartment is complete. The small accessories and personal touches in so limited a space must be especially marked by restraint as well as by good taste. A room is as delightful or as banal as the pervasive personality or taste of its occupant decrees.

Designers of modern furniture have worked out a number of ingenious space-saving combination pieces that appeal to many modern minded homemakers. A talented French designer, for instance, shows a couch that is made up of three individual units, which, when unclamped underneath, can be used as separate chairs. He has devised a table that unfolds and swings out from the wall which can be adjusted to the height of any couch. It does duty as a dining or tea table and, when not so employed, it is again folded back flat against the wall so as to economize floor space. He has produced a chest of drawers—or what looks like one—the top of which can be raised; and concealed within is a table all set for dining. This is pulled out at the stated time and put into use and when the meal is finished, it is returned to its place in the chest, the dishes being washed later. He has also fashioned a modern square cupboard table that is the connecting link between two couches that are placed at right angles against the walls, or again, it can be utilized as a bedside table when there is only one couch. Its real purpose, however, is to conceal bedding and linens during the day. There are many such novel, slight-of-hand, trick pieces of furniture which are clever and ingenious.

Somehow such furniture does not make the appeal of permanency that good, old pieces do, whose craftsmanship and lucid design have withstood the test of time and changing vogues, yet it is a racy expression of the present time which is more or less in a transitory state.

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CLEAN TOILET
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TOILET odors are a danger sign. They mean that the toilet is unclean, unsanitary. You can be sure of safe, glistening toilets with Sani-Flush.

This odorless powder is made scientifically to clean toilets. Just shake a little Sani-Flush in the bowl. (Follow directions on the can.) Flush the toilet and watch stains vanish. Rust and incrustations are banished. Porcelain gleams. You don't have to touch it with your hands! Sani-Flush cannot harm plumbing. *It is also effective for cleaning automobile radiators (directions on can).* Sold by grocery, drug, hardware, and five-and-ten-cent stores—25 and 10 cent sizes. The Hygienic Products Co., Canton, O.

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WHEN YOU CHANGE YOUR ADDRESS

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A one-room apartment may be made attractive, furnished in the most inexpensive way, with unpainted furniture which can be painted any harmonious color, and with very simple curtains and rugs; it may be ever so luxurious with antique furniture and rugs, charming lamps and bits of glass and china, and various distinctive accessories, or it may be very up-to-date, showing expensive modern furniture and furnishings. The apartments shown here are suggestive examples of these different types, all livable and likable.

Week-end house—$4,800

[*Continued from page 33*]

cracks and unevenness when battens are omitted.

Studs were set 2′-0″ on centers. To the studs and joists were nailed 4 in. width of ¼ in. tempered hardboard to come exactly where the sheets of insulation board joined. These strips were then buttered with linoleum cement and the wall board was butt-jointed and held in place by temporary nailed wood strips. Twelve hours later, when the cement had set the temporary presses were removed, leaving the walls perfectly flush with no sign of a joint, and leaving the wall boarding monolithic with no possibility of separating.

For protection the walls were then covered with sheeting to receive the paint finish.

This work actually cost less than a first-class job of plastering, and the walls were mechanically straighter and truer than the average plaster wall, and it was done in three weeks' less time than would have been taken by ordinary plastering."

Cubage: 10,728. Cost: $4,800 (exclusive of architect's fee) at about 45 cents a cubic foot.

CONSTRUCTION DATA:

FOUNDATION: Walls—reenforced concrete, continuous.

STRUCTURE: Exterior walls—redwood flush boarding, building paper, Pabcotite by The Paraffine Companies, Inc., diagonal braced sheathing on Douglas spruce framing, ¼ in. tempered Hardboard, ¾ in. Graylite insulation board, The Insulite Co. Floor construction—Douglas spruce joist covered with diagonal sub-floor covered by ¼ in. semi-hard hardboard, The Insulite Co.

ROOF: Same as floor construction above covered with Pabco Floatine asphalt composition roofing, 30 lb. felt, mineral surfaced composition sheets, The Paraffine Companies, Inc.

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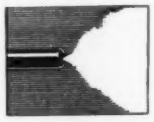
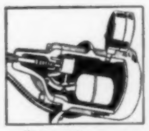


2. PROJECTED FLAME—No part of an Oil-O-Matic is inside the furnace. Thus, vital parts not exposed to effects of heat.



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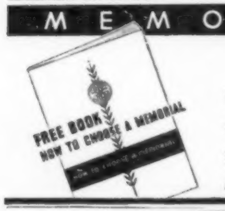

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SHEET METAL WORK: Flashing and gutters—galvanized iron.
INSULATION: Roof—¼ in. semi-hard Hardboard nailed to joist, The Insulite Co. Space below roof asbestos quilt insulating felt, Pak-Felt, The Paraffine Companies, Inc.
WINDOWS: Sash—casement, sugar pine. Frame—Douglas spruce. Glass—double strength, quality A, Libbey-Owens Ford Glass Co. Living room bay window—3/16 in. crystal sheet. Screens—copper on wood frames. Venetian blinds—Rolscreen Co.
FLOORS: All floors—¼ in. semi-hard hardboard, The Insulite Co., covered with linoleum.
WALL COVERINGS: In all rooms—sheeting over insulation board and painted.
WOODWORK: Trim, shelving and cabinets—Douglas spruce. Interior doors—¼ in. tempered Hardboard, The Insulite Co., glued to two sides of a Douglas spruce frame made of 1 x 4 in. material.
HARDWARE: Interior and exterior—Sargent and Co. Sliding door—Pitcher Door Co.
PAINTING: All paints and finishes by Paraffine Companies, Inc.
ELECTRICAL INSTALLATION: Wiring system—knob and tube.
BATHROOM EQUIPMENT: All fixtures by Standard Sanitary Manufacturing Co. Shower floor—cast rubber, Rubberceptor, Inc.
PLUMBING: Pipes: Cold water—galvanized wrought iron. Hot water—copper tubing.
HEATING: Gas floor furnace. Hot water heater—gas, storage type, Pittsburgh Water Heater Co.

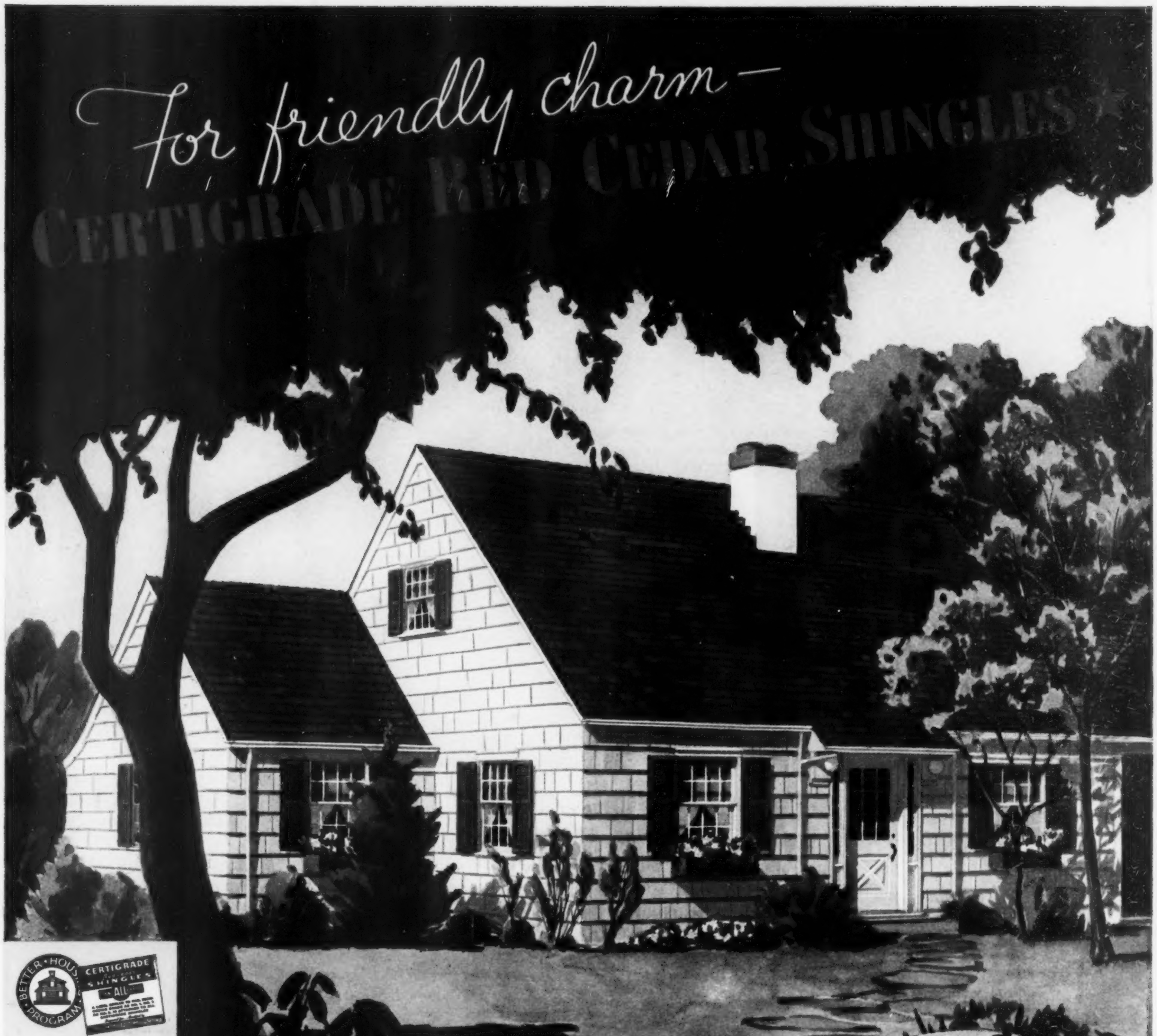
Taking the mystery out of air-conditioning

[*Continued from page 21*]

plant and the summers are extremely hot. Both houses are in the $10,000 class. Because of the location, they are equipped with complete year-round air-conditioning systems. Winter warmth is quite necessary down there and no less desirable are cool, pleasant rooms during the long, hot summer months. Here we find the systems complete in every detail. Lots of warm air with the correct amount of moisture during winter. Plenty of cool fresh air with the right amount of humidity in summer. The air is washed and cleaned, maintained at the desired temperature, and properly controlled at all times of the year. Both systems are exactly alike except in one particular; the method of cooling the air during summer. One house uses the refrigerating unit for cooling the air; the other house was built out in the country where water from a deep well is available. The water is pumped from a depth of two hundred feet and is quite cold—cold enough, in fact, to cool the air which is used for conditioning to a pleasant even temperature.

There are some owners who feel that they would like to have their year-round or winter air-conditioning unit installed independent of the customary steam or hot water heating system. This arrangement is not, of course, the complete air-conditioning system, because the heating is provided by a separate steam or hot water boiler. It is a very satisfactory method and is suitable for any house in any part of the country where winter heating is necessary. The method was selected by the owner of a house at Seattle, Washington. In this case year-round air-conditioning was used. The unit included blower, heating coil, cooling coil connected to mechanical refrigeration, filter, humidifying, dehumidifying, ductwork, registers, and controls. This unit with slight modifications such as using cold water in place of mechanical refrigeration could also be used. In which case there would be a saving in initial cost for installation in houses already built which have a complete heating system.

The simplest method of air-conditioning was used for a summer cottage just outside Chicago. The customary positive heating plant, with enough radiation to take the chill off the rooms during the winter, had been installed. This was all right for winter but the bedrooms had to be made nice and cool for vacations and week ends in summer. And this had to be done at minimum expense. The family pocketbook would not permit the installation of an elaborate air-conditioning system having mechanical refrigeration for cooling purposes. The best that could be done was to install the boxed-in attic fan. A large metal register was placed in the attic floor directly over the hall between the bedrooms. Over this was set the fan encased in a box, with an outlet on one side. By opening the bedroom doors and windows cool outdoor air is drawn at night into the rooms and the hot air passes through the register and is forced out of the attic through suitable openings provided for this purpose. The functions that this system provides are merely the circulation and change of air in the house. It suggests a rather inexpensive way of cooling off during the warm spells, of getting that hot, stifling air out of the attic, not only of the summer cottage, but the year-round house as well.



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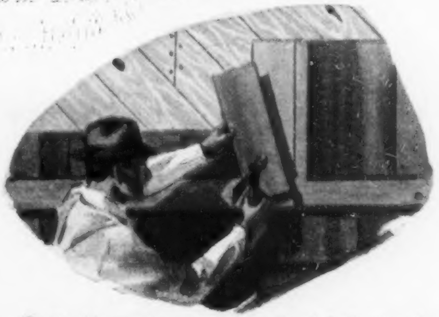

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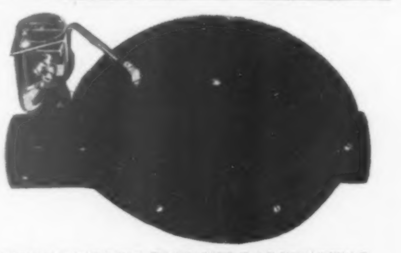

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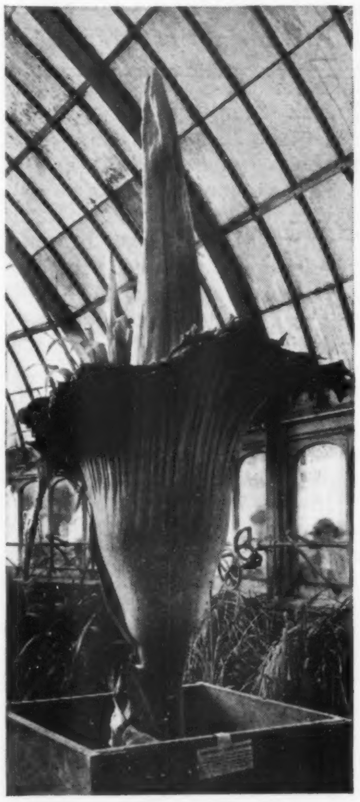
Garden sights and sounds this summer

E. L. D. SEYMOUR

THOUSANDS of people visit flower shows to get ideas about new plans and plants for their gardens. Early in June thousands visited the New York Botanical Garden simply to gaze at a floricultural monstrosity which, besides being absolutely unadaptable as a garden or house subject, was cursed with a noisome, decadent fishy odor and burdened with the name Amorphophallus titanum. And yet it *was* an amazing spectacle and beautiful in its gargantuan, Hollywoodish way besides having exceptional botanical interest.

In the first place, it marked the first flowering in this country of this particular species of the so-called sacred lily of the Nile; also the flower attained dimensions never before recorded. Twice since it was received at the Garden in 1932, the bulb (which weighed sixty pounds when planted and one hundred pounds when last shifted into its present five-foot square tub) has sent up huge, mottled green leaves but no signs of a blossom. Then, last spring, a vast, pointed bud broke through the soil, grew with incredible speed and, on the evening of June eighth, began to unfold into the awesome flower pictured herewith. By the time the photograph was taken, the enveloping sheath had crumpled and withered but the blossom was about four feet in diameter at the widest part and nearly eight and a half feet in height. The stem, more than six inches through but only about a foot high, was smooth, clear green; the swelling spathe or petal-like part which was about an inch thick and like the inner rind of a melon, ranged in color from very pale green to a rich maroon purple around the flaring edge; the erect, central, cigar-shaped spadix or spike on the base of which were later developed thousands of the true flowers—male and female—was pale yellow or cream-colored and of a peculiar texture that made it look for all the world like the finger of a giant chamois glove.



The world's largest flower—Amorphophallus titanum in bloom in New York in June. Photograph courtesy New York Botanical Garden

For the first day or two, while the flower was opening, the greenhouse was kept tightly closed to avoid possible injury by cold air, and the smell of the plant was almost overpowering; as the blossom aged, the ventilators were opened and both the members of the Garden staff—some of whom were on hand every minute to note the changes that took place, to make photographs and paintings and to explore the intimate recesses of the flower—and the swarms of visitors who were admitted, were able to study the strange object in comparative comfort. Perhaps the whole phenomenon did lack garden significance; nevertheless it was unforgettable and one of those welcome events that serve to awaken new interest in plant life and new appreciation of its wonders.

For this observer, the sight of Amorphophallus was only one thrill in a delightful summer day. There followed several hours at the Westchester County Flower Show in White Plains, New York, where, once more, local and near-by nurserymen, florists, estates and garden club members staged an exhibition whose variety, beauty, and instructive interest merited the attention of many more persons than actually enjoyed it. What is the secret of success for late spring and early summer flower shows—or is there something about them or the season that will always make participation in them its own, and largely the sole, reward? There at White Plains were lovely little gardens well planned and expertly executed; flowers and plants showing the highest degree of cultural skill and varietal quality; well contested classes for both plant materials and flower arrangement, and educational exhibits and demonstrations from

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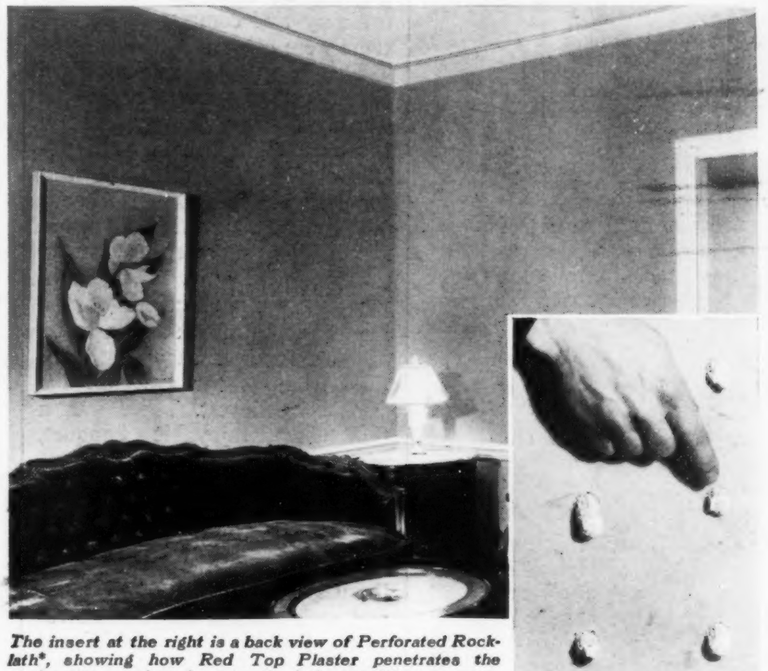

The insert at the right is a back view of Perforated Rocklath, showing how Red Top Plaster penetrates the perforations and anchors to the lath, providing an extra grip, in addition to the natural bond of plaster to the lath.*

■ There's extra satisfaction in knowing that your walls are not only strong, smooth and attractive, but are made of *fireproof* materials. Already 275 cities have authorized the use of Perforated Rocklath* for one-hour fire construction. There's a reason—and a good one. Fire and water tests conducted at the Bureau of Standards proved that a Perforated Rocklath **partition,** plastered with one-half inch of gypsum plaster, ***qualified for a one-hour fire rating.***

Give your new home this extra protection. At the same time, assure yourself of crack-resistant walls and ceilings of unusual strength and rigidity. Perforated Rocklath is a sturdy non-warping *fireproof* gypsum lath perforated with circular holes spaced at regular intervals. When the plaster is applied, it penetrates these holes and bonds to the lath with a double grip—a "mechanical" grip in addition to the strong *natural* bond. Thus you obtain walls and ceilings that offer a smooth, lasting base for *any* decoration. Yet, with all its advantages, a finished Perforated Rocklath and Red Top* Gypsum Plaster job costs little, if any, more than an ordinary job.

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PERFORATED ROCKLATH	TEXTONE*	TEXOLITE*
The Fireproof Lath, plastered with RED TOP GYPSUM PLASTER.	For attractive textured surfaces of enduring beauty.	The New Principle Paint for distinctive Color Schemes.

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● Any breakfast will taste better in a nook as bright as the morning . . . a nook glowing with Duco.

This easy-to-use enamel will give radiant beauty to your whole house. At the touch of a brush, Duco makes old, tired-looking furniture jaunty and bright again . . . dull woodwork sparkle anew. Easy to apply. A little goes a long way. It dries quickly to a hard, glistening surface. And it wears beautifully.

Eighteen rich Duco colors give you a wide variety of combinations. See your Duco dealer . . . and just see what a sleek job *you* can do on an old chair with this "one coat magic"!

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which any gardener could derive generous assistance and inspiration. For, we believe, the first time in our flower-show-going career, we noticed two centrally located rose gardens with tempting stepping stone paths leading between the beds and, instead of a more or less gentle barrier at each entrance, neat signs bearing a cordial, "Welcome—walk in." That feature alone set off the Westchester Show as out of the ordinary and commendable; and there were others.

Thanks to the American Rose Society which, assisted by the Cleveland Rose Society, held a two-day pilgrimage in that garden-minded city, mid-June was for us a real rose spree. In honor of the A.R.S. which attracted some 300 or more enthusiasts to its meeting, there was staged in the spacious auditorium of the Higbee department store, a large, high-class flower show with entries from as far away as the Pacific Northwest. There was a thoroughly enjoyable banquet, with messages from several outstanding rosarians. And there was a day and a half of sightseeing in such stimulating and alluring surroundings as the lovely F. F. Prentiss and E. S. Burke estates, and such noteworthy rose sources as the Bosley, Klyn, and Wyant Nurseries, and the horticulturally amazing home of M. H. Horvath, one of America's master rose hybridists.

After two such days, it was with an even sharper appetite that we spent several hours in the test gardens of the Jackson and Perkins Company at Newark surveying some of the recent results of the painstaking labors of Dr. J. H. Nicolas, learning about the continuing achievements he has under way, and studying the vast collection of rose species, varieties, and hybrids that have been assembled there. From all these the genial plant breeder is extracting characters and qualities to be merged and mingled in the retorts of his horticultural laboratory. Such a visit was made the more interesting by the fact that only shortly before we had surveyed a little of what there is to be seen in the way of roses old and new on the grounds of another noted firm, Bobbink and Atkins of Rutherford, New Jersey. Truly enough, as Mr. Rose points out in this issue in his article on modern improvements in hardy perennials, there is rich reward for every garden lover who can plan trips to leading commercial establishments for the study of the best in plant materials, whatever they may be.

One other word on roses: It was noteworthy and significant throughout those interesting June days that, practically whenever a message was delivered at any gathering, it suggested and urged a broadening of the gardener's interest in roses so as to embrace more of the types of material available. Let us get away from effects dependent solely upon Hybrid Teas, was the slogan. Let us make more use of the shrub types, the climbers in their magnificent new forms, and the improved sorts of everblooming large-flowered Polyanthas—no longer (if ever) entitled to be called "baby ramblers." Let us enjoy the colors and the foliage variety of roses that belong in the background, that can drape banks and walls and slopes, that create effects from the very opening of spring until frost clenches its mailed fist—and, indeed, even later as nearly evergreen leaves and brilliant red and salmon hips continue to pick out highlights in the garden picture.

The producers of our roses are doing a splendid job in striving to give us what President Leonard Barron of the Rose Society pictured as "the rose of tomorrow"—a garden flower of permanence, rich in character, vigor, and quality; something that will disclose and prove its claim as essential, ever valuable, versatile material for home-garden landscaping. It is the gardener's opportunity and obligation to utilize and make the most of all that the scientists and growers are placing within our reach.

5-room Colonial achieves spaciousness

[*Continued from page 26*]

French doors which center the room, you know that this part of the house is gaily Californian.

Steps go down from the covered terrace to the garden where green lawn, paths, and flower beds invite leisure. Here outside the dining room bay window filled with bright potted plants you may lunch in privacy (and at the same time) watch the birds in the fountain and quite forget that actually this cool little green and white house has settled down upon a busy boulevard.

Inside the living room are soft cream-colored walls with nice moldings around the door which, with the fireplace detail of paneling, give pleasant scale to the room. A wide shelf under the charming bay window holds flowers and books. Soft, ruffled curtains and green flowered Chintz draperies are used at this window, but the windows framing the garden are content with the coolest of window curtains and Venetian blinds. Simple Colonial furniture, window seats, recessed bookcases, and through the French

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. . . must have *exactly* the right windows if it is to reflect charm and character. ***Windows play a major role in endowing your home with a definite personality.***

Andersen Wood Casements harmonize beautifully with all styles of architecture. Entirely modern . . . yet in classical purity of line and artistry of design they reveal the traditional charm of famous, old-world casements.

You Must Be Practical, Too!

Andersen Wood Casements hold a five-year record for dependable service. They meet air-conditioning needs with superior leakproof construction and spring bronze weatherstrips. Removable double glazing reduces heat loss one-half!

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You need never go outside to work on Andersen Casements. Double-glass and screen may be left in place the year around, or may be easily *removed from the inside.* Special inside control opens and closes the casement with the screen in place. No interference with drapes or blinds. Extension hinges permit washing outside glass from inside.

Ask your Architect how Andersen Casements meet your requirements. Andersen also makes Narroline Double-Hung Windows and Basement Windows.

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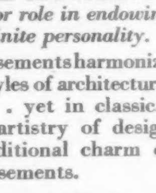

A beautifully illustrated 16-page book on How To Achieve Window Beauty in Large or Small Homes.

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Please send me your FREE book on *Window Beauty*, postpaid, at no obligation to me.
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BEFORE you install any new heating equipment, replace or remodel your present furnace or boiler, send for Century's exciting new Booklet on automatic heat. It's Free. Tells all about Zeph-o-Lator . . . a sensational new kind of warm air conditioning furnace unit built upon Century's tried and proved principles.

Into this one compact unit, strikingly designed, Century engineers have built oil burner, furnace, and air conditioning. Thanks to Century's exclusive principle of Floating Flame with Even-Flo Combustion, plus Zeph-o-Lator's balanced construction, you actually get twice the comfort as ever before at less fuel cost.

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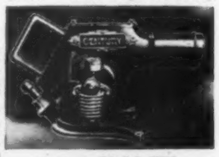

Available in addition to the Century Zeph-o-Lator are Boiler-Burner Units with year 'round Domestic Hot Water for steam, vapor, or hot water systems; Conversion Oil burners; and Domestic Hot Water Heaters. Mail coupon for details.

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New Fireplace Safety

Flexible metal fire screen, brings safety, beauty, convenience to fireplace. Hangs gracefully. Slides open or closed. Can't fall or be knocked down. Write for description, styles, finishes. Bennett Fireplace Corp., 53 Wall St., Norwich, N.Y.

BENNETT Flexscreen

doors a vista of the garden—truly this little house has been planned for perfect friendliness between garden and house. The dining room, with attractive wallpaper above a three-foot wood wainscoting, looks out to the terrace; French doors from the master bedroom open to the garden.

Shunning the flimsy construction which frequently is the lot of the small house, this residence of steel frame proves that a modern material can be utilized without destroying the homelike charm of a dwelling. The Latisteel method used in the construction of this house employs a lattice collapsible steel section consisting of reinforcing bars pot-welded with patented connections. They are cast in a concrete slab to make a more completely fireproof and termite-proof house. The structure was then lined throughout with one-inch Thermax for insulation.

Skillfully landscaped, well planned, and soundly built of steel frame, this California Colonial small house, green and white, simple and charming, proves that a five-room residence may demand and actually achieve architectural distinction.

Poppies for pleasure

[*Continued from page 49*]

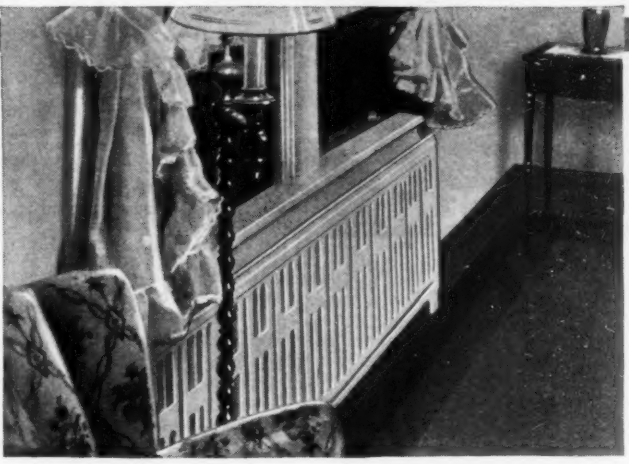
plants may be shipped long distances, subjected to rough treatment, and come through the ordeal with perfect success. If the gardener wishes to increase the plants in his garden, he can take up the clumps in late summer and divide them. Until they are established in their new locations, the divisions must not be allowed to dry out. Should still more plants be desired than ordinary division will provide, they can be grown from root cuttings, a comparatively simple method of propagation. The gardener simply digs up a dormant plant, cuts the roots into two- or three-inch lengths, buries the pieces in boxes or frames of sand, and keeps them moist. The bits of root commence to sprout after a few weeks and soon can be transplanted to a permanent location. Poppy roots, unlike peony roots, need no eye from which to develop new growth.

Increasing one's poppy planting through the growing of seedlings generally proves unsatisfactory. Seed of many of the highly bred hybrids is sterile, while seedlings which do grow and bloom seldom retain the lovely color of their parent. They generally revert to the original scarlet and produce blossoms of inferior size.

The amateur gardener need guard against but two conditions

KILL COLD WHERE COLD COMES IN

with this new "Concealed" radiator



Into the wall—out of the way. Occupies no floor space. Increases room size—improves room appearance.

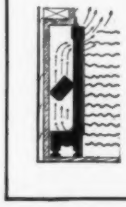
NO single purchase you can make for your home will cost so little and provide so much genuine, year-after-year comfort as Weil-McLain Raydiant "Concealed" Radiators, installed under your windows.

Normally, the coldest spot in any room is at the window, and, since cold travels down from the window to the floor, you need all the heat you can get at this point.

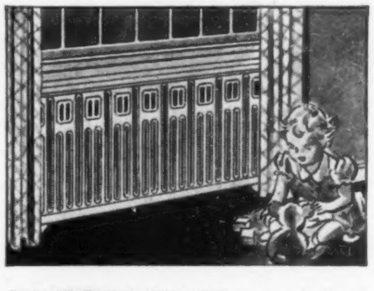
The Weil-McLain Raydiant overcomes these zones of discomfort by meeting incoming cold with air-carried heat rising through grilles in the upper part of the radiator. Additional comfort comes from its unobstructed, heated front panels, which emit a *greater* volume of radiant, sun-like warmth into the lower part or living zone of the room. Floors are more comfortable. (See diagram.) This modern radiator becomes a part of the wall and may be decorated to match any surrounding.

INVESTIGATE—Send for FREE Catalogue

Of course you want radiant, sun-like heat. Of course you want "concealed" radiators. But you want concealed radiators that give you a *full measure of comfort.* So—be sure to learn about this new Raydiant before you build or remodel. Send for the free catalogue now. Address Weil-McLain Co., 641 W. Lake St., Chicago, Ill., or 501 5th Ave., New York City. Or see your local heating contractor.



Arrows indicate convected or air-carried heat, rising into the room through upper grilles. This heat meets incoming cold. Wavy lines indicate radiant, sun-like warmth radiated into the lower part of the room by this radiator's fully heated, front panels.



MORE HEAT NEAR YOUR FEET—every inch of the front panels of this Raydiant is *working* radiator surface—every inch "alive." That's why it emits a greater volume of *sun-like, radiant* warmth into the lower parts of rooms—more heat near your feet. More healthful for young children who play on the floor.

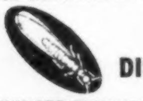
Weil-McLain Raydiant
"CONCEALED" RADIATORS

DAMAGED *by* TERMITES

IS THIS GOING ON UNDER YOUR HOUSE?

The above picture was taken under a house only seven years old. The costly damage shown IS NOT ROT. It is the secret work of *termites*, tiny wood-eating insects which are today damaging homes and buildings in every state. Of course, termites don't work out in the open where you can see them. All the damage pictured above was done underneath the floors, *inside the wood.* The owner had never seen termites; had not suspected their presence in his home. The badly damaged supporting timbers looked perfectly sound until a Terminix Inspector sunk his hammer into the wood, uncovering termites and their hidden destruction.

What about your own property? Although outwardly in perfect condition, it may secretly be infested with hordes of destructive termites.



TWO WAYS TO DISCOVER TERMITES

WINGED TERMITES—Once or twice each year reproductive termites ("swarmers") fly into the open for a few hours. This is the way termites start new colonies. If you see these winged insects around your property, you have a definite indication that a termite colony is working nearby. This is a warning to call in a Terminix Inspector—that colony might be under your building.

INSPECTION SERVICE—The one certain method of learning whether termites are in your property is to fill in the coupon below and ask for a free Terminix Inspection. A Terminix Inspector can locate termite infestation, and show you the damage if any is found. This inspection service is available throughout the country, and is absolutely free. Over 250,000 property owners have used this valuable service.

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☐ Please inspect my property and advise me whether you find termites or termite damage.

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(AH-9)

which may cause poppy failure. If water is allowed to stand over the crowns in winter, the roots may develop rot; and if the crowns are cut off after growth starts in the spring, the plants are apt to bleed to death.

Insects may come and go on other garden plants, but rarely, if ever, attack the poppies. Even foraging livestock refuse to touch the foliage, although gophers sometimes eat the tender roots. If clumps die down and examination shows no roots present, a gopher hole should be sought and a trap set.

Mulching is unnecessary in most sections of the country, though in the colder regions a light airy mulch is helpful to prevent heaving of the soil due to alternate freezes and thaws.

The compilation of a complete and accurate list of the "best varieties" is manifestly impossible. However, the accompanying list of one hundred sorts may aid the beginner in making a selection. The varieties are given in the order of their desirability *from the author's viewpoint* and roughly grouped under main color classes. The best dozen for a beginner's garden would include Lulu Neeley, Wurtembergia, Proserpine, Enchantress, Joyce, Edna Perry, Olympia or May Queen, Lord Lambourne or King George, Mahony or Mahogany, Perry's White or Perry's Blush, Gerald Perry or Mrs. Perry, and Majestic or Jeannie Mawson.

Incidentally, the name poppy is a derivative from the Anglo-Saxon "papi" or "papping" which in turn came from the Latin *papaver*. This word, which is the botanical name of the poppy genus, describes the thick milky juice which oozes from a cut stem. The poppy has received a bad name because of a black sheep in the family, the opium poppy (*Papaver somniferum*). The drug is refined from the thick juice which oozes from shallow slashes made in the unripe seed capsules of this annual species. However, it, too, includes some attractive garden forms.

The oriental poppy, a native of Turkey, Persia, and other parts of western Asia, was first imported into Europe from Armenia in 1714. Little improvement was made until 1885 when a pink seedling, Blush Queen, was discovered blooming in an English nursery. This unusual plant is believed to have been a sport or mutation. Mrs. Perry, which continues to be the most popular garden pink, is a seedling of the original mutation. The first white, Perry's White, was found growing in a private garden on the outskirts of London. It is believed to have been a seedling resulting from the crossing of a pink with a scarlet variety.

One hundred oriental poppy varieties to choose from

SCARLET

Olympia
Lord Lambourne
King George
May Queen
Fire Ball
Flanders
Bracteatum
Duke of Teck
Brightness
Grand Mogul
Grossfurst
Goliath
Goldschmidt
Gold of Ophir
Hercule
Menelik
Prince of Orange
Royal Scarlet
Welcome

RED

Lulu Neeley
Wurtembergia
Proserpine
Trilby
Amun Ra
Australia
Manchu's Fan
Mrs. Fisher
Red Cherry
Red Lacquer
Sturmfackel
Mrs. Baker
Mandarin
Leon Laurent
Empress of India
Cavalier
Big Jim
Beauty of Livern
Atrosanguinea maxima

SALMON AND ROSE

Gerald Perry
Mrs. Perry
Wunderkind
Splendor
Lady Moore
Princess Victoria Louise
Salmon King
Salmon Queen
Watteau
Tulipa
Princess Ena
Mrs. Stobart
Nancy
May Sadler
Countess of Sta
E. A. Bowles
Apricot Queen
Enfield Beauty
Royal Rose

PINK AND NEAR PINK

Majestic
Edna Perry
Jeannie Mawson
Queen Alexandria
Pink Beauty
Sass Pink
Perfection
Pink Radiance
Pearl Pink
Neeley's Pink
Mrs. J. Hawkins
Sturtevant Pink
Julia Buck
June Delight
Echo
Ethel Swete
Flush of Dawn
Mary Ellen
Dainty Lady

CERISE

Joyce
Cerise Beauty
Colonel Bowles
Cerise Bedder
Lachs Konigen
Peter Pan
Mary Jane Mille
Cowichan
Cerise Dwarf

LAVENDER

Enchantress
Neeley's Lavender
Negrillon
Henri Cayeux
Masterpiece

WHITE

Field Marshall General von der Glotz
Barr's White
Perry's Blush
Perry's White
Silver Queen
Silver King
Thora Perry

MAHOGANY

Mahony
Mahogany
Harmony

AS LITTLE AS
29¢ a day
INSULATES A HOME LIKE THIS
with GIMCO ROCK WOOL

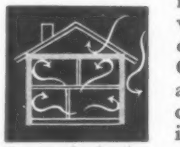
Gimco-insulated home of Charles B. Rice West Hartford, Conn.

PROVIDES FOR
Year-Around Comfort
AND
Fuel Savings up to 50%

Where else can you buy so much comfort for so little money . . . and at the same time, save up to 50% of your winter fuel bills? Gimco Rock Wool keeps a house up to 15° cooler in summer . . . and in winter, every room stays more cozy and warm. In addition, Gimco cuts fuel bills by checking furnace heat that would otherwise escape through walls and roof. It's a low-cost investment that soon pays for itself!

Permanent "Wall-Thick" Protection

Gimco's efficiency is unsurpassed by any other building insulation. It affords *complete* protection as *only* a "wall-thick" insulation can! It is as permanent as the house . . . won't decay, pack down or dust out. Gimco is as fire-proof as the rock itself. It can be easily installed in *any* home, old or new, regardless of size or type of construction.



Gimco checks the sun's heat in summer . . . the furnace heat in winter.

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Don't delay! Cold weather is coming. Now is the time to insulate *your home* with Gimco Rock Wool. The cost is surprisingly low, and if you wish, liberal terms as low as a few cents a day can be arranged. No down payment required! See your local dealer today.

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Made by the world's largest exclusive manufacturers of rock wool products.

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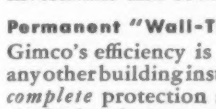

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Yes! Send me at once your Free Book entitled "Better Living."

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Novelty perennials for next year's gardens

[*Continued from page* 55]

now and they will bloom beautifully for you next spring."

We note in this vast planting of long-spurred hybrids, vulgaris types, A. glandulosa vera Helenae, and many others, but only one short row of A. longissima. Evidently stocks of this elusive American are not yet abundant; at least, the seedsmen are still counting the seeds that go into a packet. Our nurseryman friend frankly tells us that the color of longissima is not at all breathtaking—a rather dull yellow, almost greenish—but that the airi-

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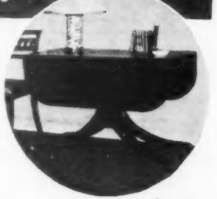

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ness and grace with which the amazingly long-spurred blossoms hang about the flower stalks should please any gardener.

Several rows of a very pale green, broad-leaved aquilegia, resembling what we know as A. flabellata nana alba, but not drooping, prove to be the new A. vulgaris nana compacta erecta Edelwiss. What a name!

We ask our guide which is the most beautiful of all aquilegias and he unhesitatingly names Pearson's Crimson Star. Originated some time ago by the ancient firm of J. R. Pearson and Son of England, this brilliant hybrid rapidly spread around the world until now it is the common property of most commercial plant growers; yet many plant lovers have never even heard of it, resplendent with its glowing crimson petals and pure white calyx.

On we go past blocks of hollyhocks, delphinium and Alyssum saxatile to where two broad strips of color stretch across the fields, the first a rich ruby-red and the second a bright yellow. They are plantings of the two new gaillardias, Barnes Ruby and Mr. Sherbrook, the popular old blanket flower coming back in beautiful, modern forms. Barnes Ruby, forming an eighteen-inch-high mass of clear red flowers with no hint of yellow, seems on cloudy days actually to exude a ruby glow. The sturdy Mr. Sherbrook, a large, clear yellow, possesses the commendable trait of profuse blooming and an extremely rugged and tolerant nature.

Our guide being called away for a time, we wander about and are attracted by a small field on the left plentifully overhung with water sprinkler pipes—evidently an experimental block where new plant varieties are carefully tested before being listed. Certainly it is a veritable plant lovers' paradise with little plots of the very newest varieties and rare species. The fern-leaved Thalictrum dipterocarpum Hewitt's Double, a recent arrival with the reputation of being the most beautiful perennial introduced in Europe last year, fills a bed carefully covered by lath racks. Numbered hardy aster plants not yet named fill another—it's like being privileged to gaze into the pages of the plant catalogs of 1940! Geum Red Wings, newly arrived from Holland, sports a few blooms of glowing scarlet, while close by, also under lath shade, mats of the new Lithospermum fruticosum Grace Ward bear vivid blue blossoms with white centers. Beautiful but particular, this lady of the sapphire gown requires acid soil, leafmold, partial shade, and protection from the wind.

We pause before a bed of small

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greenish-blue mounds of foliage, much like a miniature, very neat Daphne cneorum. It is Aethionema Warley Rose, a beautiful little sub-shrub, which, in the spring, is covered with tiny bunches of bright pink flowers.

Returning, our friend the nurseryman calls out, "You are overlooking one of the finest things in these trial grounds," and leads us to a far corner where stretches a long bed of fine sturdy clumps of new heuchera hybrids. This *is* an important disclosure. During the past few years, hybridists and plant breeders have steadily improved most of our old perennial favorites, but they seem to have entirely neglected the heucheras. In fact, there seems never to have been a good white, and there are only a few pink ones of any merit. So, it is with real pleasure that we view this planting of eight new hybrids (just a few of the many originated by Bloom & Son in England) that embrace the entire range of heuchera colors. The results of crossing H. sanguinea and H. brizoides, they have the free-flowering qualities of the former combined with the larger flowers and more brilliant and dramatic coloring of the latter.

Two varieties that more closely resemble their brizöides parents are Bloom's Variety, which won the Royal Horticultural Society Award of Merit in 1932 and which produces dozens of long sprays, each bearing many, closely set, rather small coral-red balls; and Mary Rose, a clear pink. The rest seem to lean toward their more colorful parent, H. sanguinea: Freedom is a light rose; Garnet has very large bells of bright pink; Jubilee, listed as an improved Edge Hall, is just that, being half again as large in flower and clear glistening pink in color; Oakington Jewel, deep coral tinged copper with very ornamental bronzy foliage; Scarlet Beauty, the most brilliant heuchrea we have seen, and Snowflakes, a fine really snowy white variety, chaste and cool.

"Aren't they somethin'?" asks our nurseryman proudly, and we agree that they are.

We hasten on up the path to see the novelty Veronica incana rosea just at the height of its beauty. Every gardener knows and admires Veronica incana (or candida) with its light blue spikes rising above the tufts of silvery foliage, but here we find an even more pleasing color combination —bright rose-pink flower spikes rising from that same silvery foliage. We must watch for this plant which several firms are now offering, for it is worthy of a place in any garden.

"How would you like to see a field of fifty thousand phlox in full bloom?" asks our guide. "You couldn't have come at a better time." Then, pointing down the rows we are passing, he says, "It is difficult to beat the blue of delphinium, isn't it?" A little surprised, we examine two parallel plantings of hardy larkspur, one light blue and the other a rich indigo.

"Isn't this a little late for delphiniums?"

"It would be *very* late for the first flowering of mature plants," is the reply, "but these are blocks of young seedlings which have been growing hard all summer to attain flowering size. That is why the flower stalks are so short. Where these are but two feet, a mature plant should send up flower spikes from four to five feet high. These are not hybrids, but improved varieties of the old single D. belladonna. The light blue is Cliveden Beauty, while the dark blue is Blue Grotto."

The phlox fields are well worth the walk for they spread out over an acre or more, row upon row of Phlox paniculata in red, salmon, pink, mauve, maroon, white, lavender, and half a hundred intermediate shades, all framed by the green foliage and blending into a mammoth Persian rug of colors. Among a few of the finest newer sorts we see Rosalind, the new pink early one just about through blooming; Leo Schlageter, a flaming crimson and hard to beat; Lilian, a rather low-growing delicate soft pink; Betty Lou, deep salmon overlaid scarlet; Daily Sketch, which we think the most beautiful of all with huge flowers of palest pink with a large red eye; Salmon Glow and Lord Lambourne, two fine salmons; Fiance, a sturdy-growing, showy white; Emaine Machee, bright cardinal red; Hauptman Kohl, deep blood red—and we could choose a dozen more just as beautiful.

Reluctantly we follow our guide to where a brook has been dammed up in a protected ravine to form a small pool where the firm grows a few aquatics. Near its edge in a partially shaded bed we see a mass of several hundred healthy looking gray-green clumps of Meconopsis baileyi.

"Many people experience great difficulty in growing these plants," observes our guide. "I have a theory that all they need is to be given moist air and protection from the drying winds which their leaves are not designed to withstand. The health of these plants seems to prove that I am right."

Again we agree, remembering how these poppies are reputed to grow like weeds in the moist atmosphere of the British Isles.

We pause for a moment to look at the varieties of Phlox subulata and closely related species planted in neat beds bordering the ravine. The hybridizers have been busy

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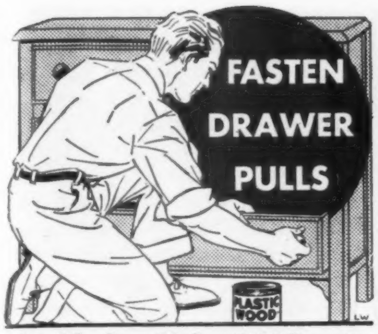

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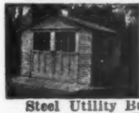

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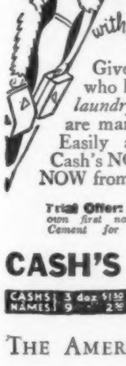

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with this family too, and the result has been a rapid advance in refinement and beauty—Camlaensis, Ronsdorf, Schneewitchen, Blue Hills, Brilliant, Appleblossoms, all are good. Perhaps the best of them all is Camla or Camlaensis, an English variety introduced by Mr. Millard and now quite generally offered in this country. It makes a neat, compact growth and bears large salmon-pink flowers, not only in masses in the spring, but also in smaller quantities throughout the summer and autumn.

In English catalogs we almost always find an item of recent introduction, Scabiosa caucasica goldensis, and once in a while it crops up in one of our domestic nurseries. Here, in full bloom, it is a strong growing plant with clear mauve blossoms on eighteen to twenty-four inch stems—ideal for cutting. If you would grow a white companion, Miss Willmott, we are told, is probably the best of the lot, not quite as symmetrical, but a fine scabiosa nevertheless.

Most of the larger growers are this year handling that very beautiful Shasta Daisy, Esther Read (a variety of Chrysanthemum maximum) and we soon come upon a small planting of this outstanding perennial. It is pure white in color and so double that it has no golden center at all. The only objection we have to it is that under some conditions the plants are apt to bloom themselves to death. In the distance a bed of the new Siberian wallflower (Cheiranthus) Golden Bedder spreads a path of sunshine. While not the golden yellow its name implies, but rather between canary and lemon, still it is a fine bedding plant and furnishes a wealth of fragrant flowers throughout the spring and early summer. But being of the allioni type, it inherits that miserable disposition which won't tolerate moving after the plants become established. Also, it is advisable to start (or purchase) new plants each year, as Cheiranthus varieties often bloom themselves to death and must be replaced.

Then come the gentians, delicate aristocrats who refuse to stay with us unless their surroundings are absolutely to their liking. To our protests that such plants are beyond the gardening ability of such bunglers as we, our guide replies, "Most gentians are indeed too difficult in their requirements for the ordinary gardener, but there *are* species which are amiable and easily satisfied, for instance, Gentiana sino-ornatum thriving over there in very light shade and ordinary soil."

Beyond, in the full sun, forming more sprawling mats of a much broader, larger foliage, is

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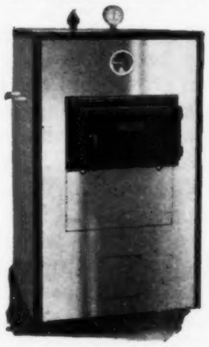

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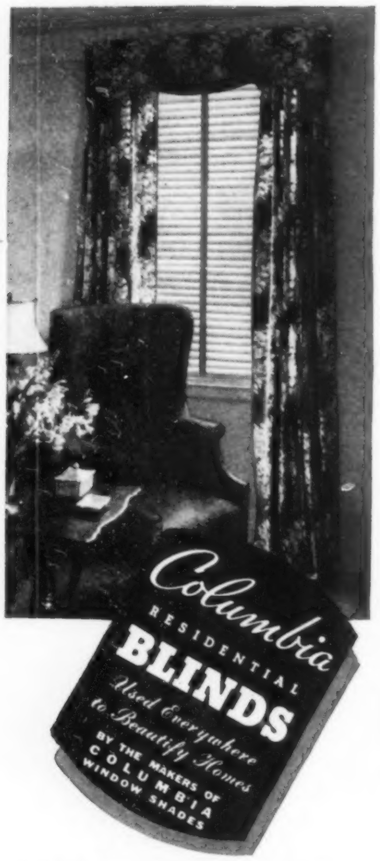
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another less difficult member of this usually difficult genus, G. purdomi. It is slowly becoming popular as we ordinary gardeners gradually realize that all gentians are not next to impossible. G. purdomi is another trailer, sending out many clear dark blue trumpets along its procumbent stems.

Well, let's head back to the car. The afternoon will soon turn into evening; our low shoes are heavy with the loam of the nursery, and we've already seen and heard about more new plants than we can hope to remember. But, our nurseryman, running true to the mold of men who know and love their plants, insists that we ought to see other beauties — Gaillardia grandiflora Goblin, for instance, a race of dwarfs which came from Ernst Benary of Germany as a seed novelty last year. A foot high and well covered with red and yellow flowers throughout the summer, these plants get away from the straggly growth of the taller varieties and should prove ideal for perennial borders. They are one of the few perennials of which an all summer blooming edging can be made. . . . But, really, we cannot stay longer, and as we settle back in the car and watch the endless stream of concrete as it rushes toward and slides smoothly beneath us, we fall to musing on what we have seen. It has been said that for every species growing in our gardens there are a thousand more, just as attractive, but still growing unnoticed in the wildernesses of the world. Now and then one of them makes its way into the beds of the commercial plant grower, wins his admiration and, with his backing, goes out to grace the gardens of flower lovers. We think of that Cynoglossum nervosum which we saw during the afternoon. Until a short time ago it was a practically unknown houndstongue from New Zealand. Someone recognized its beauty, and now it is being offered by a considerable number of nurserymen. Much more attractive than the popular Anchusa myosotidiflora which it closely resembles, with larger flowers of a deeper blue and with a longer flowering season, this plant is fine new garden material. . . .

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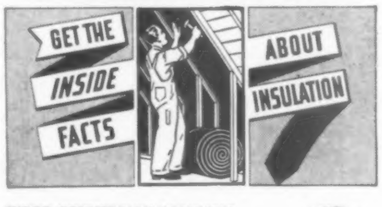

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Remaking a garden in late summer

[Continued from page 50]

This particular garden, like many others, no doubt, was started quite a few years ago, with plant and shrub material donated by kindly friends and neighbors; the offerings were simply tucked into the soil, regardless of their likes or dislikes, their height, color, or season. As time went on, the dissatisfaction with the results grew stronger, but there was no knowledge of why, or of how to correct the faults. But from the reading of enlightening statements about the true meaning of a garden, came the inspiration to delve a bit into the subject of garden design, and to study some of the many excellent books on the subject—standard works and new ones recently published.

Their constructive comments were most helpful, revealing to this groping amateur that only about a quarter of the present layout was correct in form. The only remedy seemed to be literally to tear the whole thing to pieces and rearrange it according to a definite plan drawn on paper. This required much earnest study and planning; records of the color, size, and season of the various perennials had to be made; color schemes were worked out by actually trying different colors together.

In drawing the plans, it was kept constantly in mind that the borders, walks, shrubs, plants, accessories, and accents should be so assembled that the whole would balance properly on either side, yet be strictly informal in style; that all the edges were to be in uneven curves, and that the two long borders were to have backgrounds, both for effect and to form enclosures. There were to be (1) at least one entrance and exit; (2) one main axis or line of vision from a given point to the most important garden feature as a terminal point; (3) possibly one or two secondary axes to less prominent features. Shrubs and evergreens were to be used where needed for accent or screens, the larger ones in the foreground, converging into the smaller kinds in the distance. Plants were to be arranged in either masses or drifts, each kind by itself, leaving spaces between for spring-flowering bulbs and annuals. There were to be no more forlorn, single specimens dotted here and there. The scheme called for a key color and a key plant; and for the color to be so arranged, varying from dark to light, as to give the impression of greater distance and space, as well as harmony throughout. Above all, there were to be no meaningless paths, arches, or accessories.

Spring and early fall are recognized as the best seasons for transplanting, but each has its problems. Every fall the work was put off rather than spoil the display of annuals still "going strong" and the promise of fall blossoms yet to come. Every

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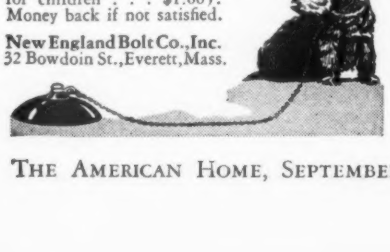
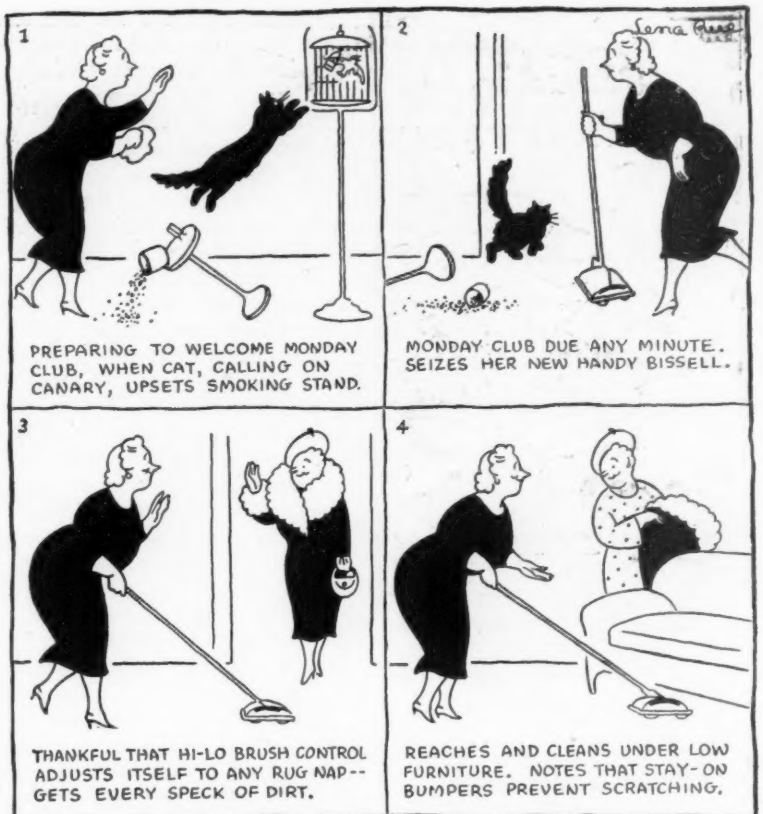


spring it was found dangerous to dig about in the beds where many of the perennials were still asleep and where tender spring bulbs were just springing up; so each year the changes were postponed. Finally, due to illness in the family, the garden was neglected for a year, except for weeding, and by July it resembled a small jungle with sprawling shrubs, overgrown plants, and seedlings coming up everywhere. To complete the displeasure, it was discovered that when sitting out in the garden—theoretically the "outdoor living room"—one had no privacy at all; as part of a corner lot the back lawn was exposed on both sides. This, then, was the awaited opportunity to reconstruct!

The plans were completed by late August, and the work begun by taking up a broken cement walk ("A" in plan 1) that led from the back door to the sidewalk on the north side, and putting a lawn there instead. The border along this sidewalk was lengthened toward the front, so as to make it about fifty feet long and six feet wide at the widest part. At this point, the edge of this bed and the foundation planting were brought toward each other, leaving a five-foot gap ("B" plan 2) as an entrance to the garden. Two pyramid arborvitaes were placed here to serve as "sentinel" gate posts, and a curving walk of stepping stones ("C") was laid from the sidewalk through the opening to the back door, and to the garden itself. Large deciduous shrubs were used to fill in about the front entrance, a tall bronze-leaved flowering plum on the left by the house and three bronze-leaved shrubs on the right, giving an asymmetrical or uneven balance in a contrasting color. A five-foot, scalloped, picket fence was erected along the sidewalk as a background for the border and also to serve as a screen. Then the rock garden ("D" plan 1), which formerly protruded out into the rear lawn like a sore thumb, was demolished, a rock wall ("E") being built against the end of the garage to take its place.

With these principal changes made, one cool, cloudy day, the plants were carefully removed from all of the beds, except for the peonies and a very few others which were satisfactorily placed, or which it would have been risky to move. All were placed in the shade, most of them being sprinkled and covered with burlap to protect them from the sun and wind, but any very tender ones being set in water. Each variety, with a label attached, was placed by itself.

Attention then turned to the soil. A 5-8-7 chemical fertilizer and bonemeal were liberally



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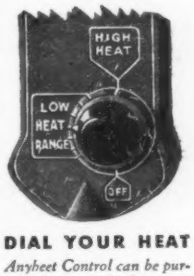

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sprinkled over the surface, also some peat moss and ashes on the heavier soil; then the whole was thoroughly and deeply spaded. On the second day holes for the plants were dug and again fertilized, then saturated with water (this is a most important requirement in transplanting at this season). The plants were then replaced according to the plan, the taller ones at the back; next, the medium ones, and finally, the lower ones at the front of the bed. Stocky clumps like those of phlox, iris, and peonies, were planted in groups of three or five, but most of the perennials were arranged in long, uneven drifts. Annuals appropriate as to size and color are, each year, planted between perennial groups and in the plots reserved for spring-flowering bulbs, which are not to be planted until October or November. All the plants were, of course, kept thoroughly wet until they had recovered from the shock of moving. But truly, for the balance of the season, the garden looked as though it had been struck by a hurricane! However, beginning the following spring, and throughout the summer and fall, what a pleasure it was to watch the plan unfold into a pattern of delightful color and form and balance!

In its second season, a hint of the beauty within could be glimpsed over the fence top or, fleetingly, between the narrow entrance shrubbery, intriguing one to enter and study the details. From the entrance, the axis or line of vision carries directly ahead to the pool ("F") as the dominant feature to attract and hold the attention; then casually it travels toward the left to the farther border with the bird bath in the extreme distance. One notices that the predominating color of the whole is pink, and that the key plant—the ever-blooming pink Polyantha rose, Ellen Poulsen—is placed at the three points of interest, namely, the entrance, the pool, and the extreme left border.

The outer entrance has a few bright pink verbenas and annual phlox for summer color among the lower shrubbery to follow the brilliant pink of the May tulips, while just inside the entrance are maroon colorings in double stock, snapdragon, gladiolus, and fall phlox, with a bit of the gray-foliaged artemisia for contrast. Against the fence, between the pink and yellow climbing roses, are tall double hollyhocks in the same tones, fall asters, and the grayish bocconia. In front of these are chrysanthemums, dwarf dahlias, gladiolus, phlox, and iris; farther front, following the waves of pink tulips, are the annuals—snapdragons, asters, and the lovely, long-lasting, double stocks.

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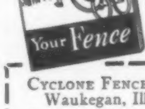

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The whole border blends from deep rose in the foreground to pale pink in the distance, but in the center of this bed, for accent, is a yellow Hugonis rose bush, with drifts of blue delphinium and Madonna and Regal lilies on either side. Masses of blue and yellow iris, blue polemonium and yellow alyssum, and blue and yellow pansies grouped at the front, pick up a bit of the blue and yellow from the color scheme across the lawn. In late summer, when the blue shades are scarce, a few of the lavender and purple asters are grouped here, as well, and the whole border is edged with the fragrant white alyssum.

At the farther end the pool, irregular in shape, is edged with choice water-worn rocks, among which nestle the various sedums, gold alyssums, white rock cress, dwarf iris, and ivy. Low evergreens back of the pool are overshadowed by a tall, beautiful spruce hedge. A gray-foliaged Russian olive tree gives a bit of contrast, and the lead Japanese lantern ("G" plan 2) appears ready to shed a glow over an evening scene. Here, the flower color is mostly white, yellow, and pale pink, annual phlox, coral bells, nicotiana, and the stately foxglove following the tall, drooping solomon's seal, and the daffodils and white narcissi of spring. The Polyantha rose, previously mentioned, is so arranged at the back edge that its dainty flower clusters are reflected in the pool where, during the summer months, the surface of the water is bright with white, blue, and pink waterlilies. This picture dominates all of the others.

To the left of a rose arch ("H") over the path to the garage is another border. Here, a small change (yet to be made) will place a triangle of three pyramid evergreens in the center, with a semi-circle of rose bushes in front ("I"); on either side of this is a group of peonies and other choice perennials, with foxglove and canterbury bells here and there in groups to give a spiral effect. After the early weeks of yellow and pink tulips, dwarf zinnias, snapdragons, annual phlox, and scabiosa in the same colors will take their place. There is an edging of the annual gray dusty miller that is always so charming with shades of pink. A tall tamarix ("J") at the very end of the garage screens the rock wall just around the corner, so that one comes upon it as a pleasant surprise. Here all kinds of rock plants grow in the crevices, portulacas and dwarf annuals being added for summer color. This little secluded nook seems to be a true bird sanctuary, affording them a lattice fence, the bird bath among flowering shrubbery, and the spruce branches

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gracefully waving overhead. At the base of the bath pedestal a group of Japanese iris is to be placed in a somewhat sunken bed for moisture.

The left or southwest boundary border, extending from the bird bath forward to the house, has an upright shrubbery background. The color scheme runs from orchid, lavender, and purple in the perennial coneflower, loose-strife, phlox, iris, and buddleia, to the tones of the gladiolus, dwarf dahlias, and annual asters, and double stock. Even the unpopular magenta shade appears congenial in this group. Shades of blue in veronicas, delphinium, and others come next, with a "pick-up" of the pink of the opposite bed in the Polyantha rose, which nestles between two gray rocks. At the more shady end, near the house, yellow to bronze colors are supplied, in the spring, by daffodils and yellow tulips, and later by iris, daylilies, gladiolus, dwarf marigolds, and chrysanthemums. Here, too, the edging is of alyssum, alternating with yellow coleus. Close to the house, a tall lilac tree terminates this border and beneath it is a cozy paved triangle ("K") with garden seats and a table.

From the foregoing detailed description, this garden may appear quite extensive; in reality the house and garden cover but 5,000 square feet of land. However, the borders arranged to outline the lot leave an unbroken lawn space, and the planting and color schemes were planned to give the impression of greater space and distance than actually exists. Shrubs, plants, and seedlings are kept strictly within bounds, and while there may not be the former abundance of flowers for cutting, there are enough for home use. Success has been achieved to some extent, for at least the garden now has "design"; and yet it is far from perfection! Always there will be changes; always a healthy striving for the *ideal* garden, and the joy that such striving means. What thrills there will be this season in anticipating day by day the unfolding story of the new Dutch and English iris planted last fall; the lovely lotus, new to the pool; and the very latest members—the colorful Korean chrysanthemums!

Today, five distinct pictures can be taken from different positions in the garden, pictures that change day by day with the seasons, but which blend into a fascinating whole. And so this little adventure in amateur landscaping has brought order out of chaos, and harmony out of discord. This garden has become in reality "an enclosed place" where one may go for quiet meditation or for happy occupation.

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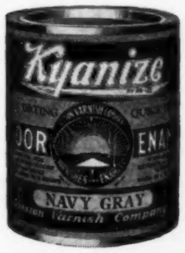

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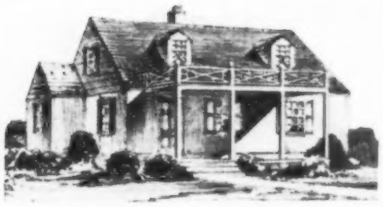

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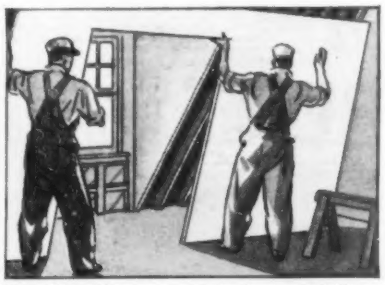

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[Continued from page 52]

as water and slush will drain from the walks instead of onto them, and the removal of snow will be facilitated.

Beware of cheap grass seed! It is best to buy from a seed house of known responsibility, regardless of price. The dealer will inform you of the amount of seed necessary for your area; recommendations vary but one quart (¾ pound) per 100 to 200 square feet is an approximate average. The better lawn mixtures contain no timothy or other undesirable seed. As white clover is not a grass and is not permanent, some object to its use in lawns. I rather like it, and sow it in proportion of one pound of clover to fifteen pounds of other seed. Your taste in the matter should govern.

With the seed on hand, rake the rolled surface lightly, then sow. For even distribution, sow half the seed one way, then sow the rest crosswise of the first sowing. Don't be stingy; sow thickly. Then rake lightly and roll again.

If your work has been well calculated, you are just in time for the fall rains. If Nature slips a cog and fails to supply enough moisture, turn on the hose, but use a spray nozzle so as not to wash the soil. Soak thoroughly, applying enough water to moisten not only the new soil, but the subsoil beneath it. Thenceforward, see to it that the upper stratum is kept moist until the new grass is well up, giving promise of its future beauty.

Your hardest work is now over. You have a fine crop of grass—but no real turf. That is a later condition of permanence which is the goal toward which your efforts have been directed. The full fruition of your labor depends now upon care, entailing not so much arduous toil as the exercise of determination to "stick to it" until your objective is attained.

Rapid growth of the grass incites one to cut it. Get out your mower and adjust it to clip at the highest point possible; then leave it so—forever. Never be guilty of damaging a lawn by shaving it down to the grass roots. Perhaps several mowings will be necessary before winter sets in. However, it is well to leave the grass a bit long at the end of the season, except where you have sown a "shady-spot" mixture. If that is left too long there is possibility of smothering.

When spring comes, begin work early. Most weed pests get started ahead of the grass and this is especially true of chickweed. All weed pests, plainly visible in the early season, should be dug out. As soon as the soil is sufficiently dry, go over the lawn with a sharp-toothed iron rake, scratching some of the soil loose. Where the grass looks thin, resow it and, if dry weather prevails, keep the ground moist by sprinkling. A bit later plantain and shepherd's purse come in sight. Dig them out. As the grass thickens, dandelions will not amount to much. If an occasional blossom appears above the high-mown grass crop, follow the blossom stem with your fingers down to the plant and cut the tap root below the surface. Dandelions are biennials, so if you let none go to seed, you will have few to contend with, other than those that grow from seed blown in from elsewhere. Dandelions, in common with most weeds, detest shade, and high mowing leaves sufficient grass to shade their crowns to an extent that they do not thrive. Yarrow needs little attention beyond mowing, though occasionally a plant will get large enough to necessitate uprooting. It is well, when digging out a weed of any sort or size, to drop a bit of soil or compost and a pinch of grass seed in the spot from which it is removed. When working on the lawn, carry a small bag of lawn seed in your pocket for use whenever you see a vacant spot.

In late May and through June, watch diligently for the worst of all lawn pests—crab grass. This is an annual, so its seeds, of which it is very prolific, are its only menace. But, indeed, they are sufficient. A plant permitted to reach bearing size sends seed stalks along the surface of the soil and, before the watcher is aware, literally sows havoc. Fortunately, crab grass seedlings are easily recognized and, in the two-leaf stage, pull as easily as young onions. The plant first appears as a husky upright shoot from which soon emerges a wide lateral leaf slightly bearded on its edges and of much lighter color than the surrounding grass. Pull these noticeable pests as they appear. Those that escape your notice quickly develop into strong, heavily rooted plants which must be gouged out, leaving bald spots that must be reseeded.

Keep the cutting bar of your mower up to the highest point. As to the disposition of the clippings, opinions differ. Some object to leaving them where they fall on the theory that as the season advances they tend to give a brownish cast to the lawn. This is, in a measure, true; but they are a valuable mulch for the grass roots, and especially beneficial on a new lawn. My practice varies with the seasons. If it is exceedingly wet, I remove the clippings; in dry seasons, I leave them. When they are wilted, I wash

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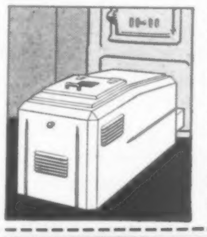

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stops run in stocking with New-Skin and forgets it

Many a girl's evening strikes a sour note because of a stocking run. This knowing damsel steps out with no worries for she carries New-Skin along. If a hole appears out comes the bottle and the run is nipped in the bud. Just a drop does the trick. How you cut down your stocking budget!

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These cleverly designed fixtures will give you that extra closet space you desire — established orderliness — keep garments in better condition. There are Shoe Racks, Hat Holders, Tie Racks, Trouser and Skirt Hangers, Garment Carriers, etc. — 38 items. Already in thousands of homes. Inexpensive, easy to install. Sold by leading department and hardware stores.

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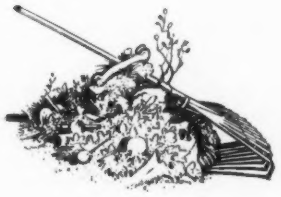
them down with a hose and the grass soon hides them so that their color is barely discernible.

Comes another August and your lawn is nearly a year old. So far, fertilization has not been necessary, but if you want to have your lawn in robust condition for winter this can be put off no longer. Grass is a voracious feeder and its appetite must be satisfied, or your pride in your lawn will take a tumble. What fertilizer to use is answerable only by the statement that as growing grass utilizes all the dozen or so plant food elements, an efficient fertilizer should contain them all in proper proportions if the fertility of the soil is to be maintained. I use a widely advertised turf builder with great success. Some commercial fertilizers merely crack the whip over your lawn for a short time and are then exhausted. A real turf builder, containing all the necessary components, feeds the grass over a long period. Two applications of 4 or 5 pounds per 100 square feet a year—one in early spring and another in late August—will do the work.



At the time of the August fertilization, rake out the thin spots, if any, and again sow seed on them. The best grass-growing season of the year is before you. Stand by and grin as you see your dreamed-of lawn grow to the full fruition of your hopes. Day by day the root growth becomes more closely interwoven and in fine shape for its second winter. It is now *turf*, and with reasonable care you can keep it in its present attractive condition. Regular feedings, weed eradication, occasional soakings when protracted droughts occur, spring rolling to re-firm roots and soil heaved over the winter—these constitute the schedule that will maintain your lawn as a source of pardonable pride and unending satisfaction.

But when you first start on this venture, remember the simple rules that govern your success. In the first place, be sure that you have a good seed bed—even grass will not grow everywhere. Buy "greenhouse" soil from the local nursery, and get to work in late August so you'll be in time for the much needed fall rains.

Lots of work? Yes, but the result is certainly worth it.

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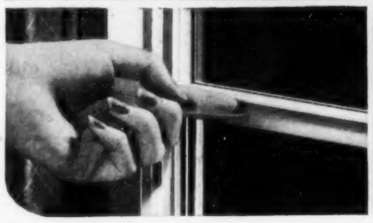
ALUMINUM OR BRONZE WINDOWS!

AMAZING ADVANTAGES

Kawneer LIGHT SEALAIR WEIGHT-HUNG WINDOWS embody the lessons of many years' experience in building fine rustless metal windows for large residences, ocean liners, public and private buildings and other important projects. Here, at last, are windows that always open easily, yet offer unusually effective protection against wind and weather—compact windows that admit more daylight—economical windows that never need painting, will not rust, warp, swell, shrink, or rot out—attractive windows available for any type of home. Furnished in standard sizes as complete units ready for quick installation. Maintenance cost is practically eliminated. Installations from coast to coast.

WRITE THE KAWNEER COMPANY NILES, MICHIGAN, FOR NEW ILLUSTRATED BOOKLET A



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HI-FIRED china, an exclusive Universal product, is your guarantee of lavatories and toilets that will never discolor, check, grow dull from cleansers—because HI-FIRED surfaces are actually harder than glass.

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Universal Companions

UNIVERSAL SANITARY MFG. COMPANY
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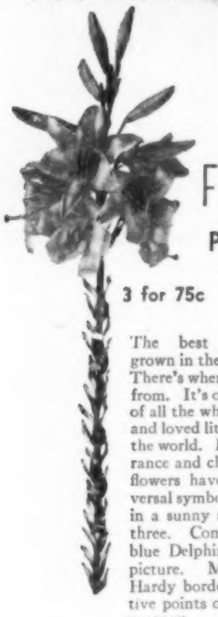

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LILY
of
FRANCE

Plant Now

3 for 75c 12 for $2.50

The best Madonnas are grown in the North of France. There's where Wayside's come from. It's one of the loveliest of all the white lilies. Known and loved literally throughout the world. Its delightful fragrance and chaste lovely white flowers have made it a universal symbol of purity. Plant in a sunny spot in groups of three. Combined with pale blue Delphiniums they are a picture. Mingled in your Hardy border they are effective points of gleaming white contrast.

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Send for new Bulb Catalog containing the largest assortment of Tulips, Hyacinths, Narcissi and Lilies offered in this country. Also a choice collection of Iris, Peonies, Poppies and Hardy Plants for Autumn planting. Many illustrated in colors. No matter what bulbs or plants you get from Wayside, all are top size.

Wayside Gardens

Imported Dutch Bulbs

12 Mentor Ave., Mentor, Ohio

Reg. U. S. Pat. Office

ENJOY THE THRILL OF A

Beautiful Lawn

THERE'S something about a beautiful lawn that inspires pride . . . that gives the garden lover a feeling of real accomplishment.

You, too, can have a lawn that stays fresh and green all summer, that is free from brown spots and requires a minimum of attention—if you build your lawn on a sound soil foundation now.

September is the best month for building new lawns and renovating old ones. The nights are cool, the precipitation of dew is heaviest, and the grass has an opportunity to become firmly rooted before it must fight crab grass and weeds next spring.

The best way to insure lasting beauty in a lawn is to condition the soil thoroughly with well-moistened Emblem-Protected Peat Moss, before any seed is planted. This promotes a deep-rooted turf by providing a reservoir for moisture and plant food in the root area where it is needed most; it also saves on watering next summer.

Our new bulletin on "Lawns" tells how you can easily build a lovely lawn that will live for years to come. Send for your copy today. It's free. Just address Dept. AH-9, Peat Import Corporation, *Educational, Advertising and Research Div.*, 155 John Street, New York, N.Y.

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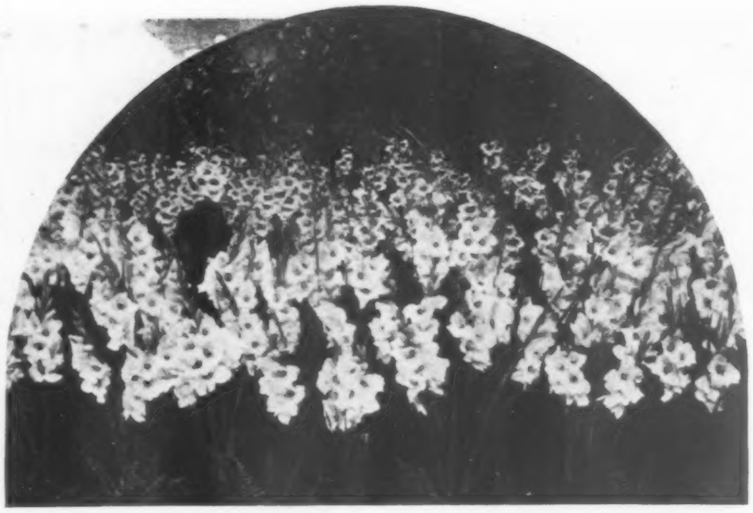
PIC
PEAT MOSS



Colorful, beautiful of form, long-keeping both in the garden and when cut—no wonder the gladiolus is such a universal favorite

The gladiolus has a centennial

A. M. S. PRIDHAM

If you have observed, this year, an even keener interest than usual in the popular and important gladiolus, "there's a reason." For 1937 marks the one hundredth anniversary of the development of what may be called the modern gladiolus, and the event has been recognized in connection with a series of colorful displays that have been or are being held throughout the world. They began as early as January in New Zealand and Australia where the gladiolus holds a place of distinction and high repute, and during the summer the festivals have continued in Europe and in America where some twenty exhibitions, scheduled under the auspices of various local, state, and national organizations, have brought out the achievements of thousands of gardeners.

The gladiolus has long been a flower of European gardens where it was originally grown as a native plant prized for "strewing." The introduction, 300 years ago, of the South African species paved the way for future development, but the origination of Gladiolus gandavensis in 1837 was the first step in the creation of the flower as we know it today. This improved and distinctive hybrid, named in honor of the city of Ghent, was originated by M. Beddinghaus, at Enghein, France, in the summer of 1837. It was purchased and, in 1841, introduced by the famous horticulturist Louis Van Houtte, who said of it: "In stateliness and color it exceeds all we have seen among gladioli. Its dimensions surpass those of G. ramosus; its majestic flowers to the number of eighteen or twenty are of the most charming vermilion; their inferior petals, adorned with chrome, amaranth, and brown, are relieved by anthers of an azure blue which descends to the center of the flower. At the moment I write, all Ghent comes to admire it."

Van Houtte considered it a hybrid between G. psittacinus and G. cardinalis. Others have felt that G. oppositiflorus rather than G. cardinalis was one of the

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For a beautiful garden next spring

***PLANT NOW*—Daffodils, Tulips, Hyacinths, Crocus, the rare Spring Starflower, Lilies, etc. Also many choice seeds, plants and shrubs for fall planting. Top quality; reasonable prices. *Plant Dreer's and note the difference!* Send for Dreer's Bulb Catalog *TODAY*; order promptly; plant on time and you'll be well rewarded next spring.**

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Burpee's Coral Lilies

Delightful coral-red blooms on dainty 1 to 2 ft. plants, in June; grassy foliage. (*Known in Siberia 125 yrs. ago*). Hardy, increasing in size yearly. Can be grown indoors. Postpaid. **4 Bulbs 25c; 20 for $1.** ***Fall Bulb Book free*** —Tulips, Hyacinths, Crocus, etc.—many Special Offers to plant this fall.

4 BULBS 25¢

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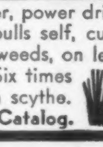
NATIONAL MOWER CO.
831 Cromwell St. Paul, Minn.



Sickle mower, power driven, rubber tired, pulls self, cuts high grass, hay, weeds, on level or rough. Six times as fast as a scythe. Write for Catalog.

40 TULIP BULBS
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BULBS AVERAGE 4 INCHES AROUND

Satisfactory blooming guaranteed or money refunded. Priced elsewhere up to $2.00 and more—Giant Darwin, Breeder, and Cottage varieties, giving all colors . . . red, purple, yellow, pink, white and varitoned. Only by a very fortunate circumstance can we make this amazing offer. Get acquainted now with Kellogg's satisfaction-giving flowers.

EASY TO ORDER

Just pin a dollar bill to this ad, write name and address on the margin, mail to us and we'll send you the bulbs. Safe delivery guaranteed. Order now. Offer will not be repeated.

(*Note: Add 10c for Postage West of Kansas.*)

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"MY CREEPING BENT LAWN IS *Beautiful*"

Writes Mr. Fred C. Mansfield, Johnson Creek, Wisconsin, "In spite of water shortage, the worst drouth and hottest summer ever." Let us tell you more about this wonderful grass. Ask for free booklet, BENT LAWNS. Fall is the best planting time.

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MADONNA LILIES
(Lilium Candidum)
10 bulbs for $1.50
SELECT FIRST SIZE

The loveliest of the white lilies, especially effective growing with delphiniums.
$12.00 per 100
Bulb Catalog on request

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DAFFODILS
8 Bulbs 25c
35 Bulbs $1.00
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GOLDEN SPUR, large Golden Yellow trumpet. One of the first to flower in the garden. Easy and fascinating to grow indoors.

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Beautiful new fall catalog **now ready** . . . Featuring Brand's Prize Winning Internationally Famous **PEONIES** . . . Also Brand's Own Root **FRENCH LILACS** from the World's Largest Stock . . . Choice **IRIS** of standard and up-to-date varieties . . . Hardy Horticultural Novelties, etc.

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BULB
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1937

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TULIPS
NARCISSUS
CROCUS
and other bulbs for Fall planting. Illustrated in color. A wonderful reference book.
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MICHELL'S SEED HOUSE *Philadelphia, Pa.*

parents and the matter has never been settled to the satisfaction of all concerned. Whatever its ancestry, G. gandavensis was the foundation of a new race which included probably some 2,000 varieties and which was used extensively in further breeding and continued improvement by such specialists as Lemoine of France, Leichtlin of Germany and James Kelway of England. Through the efforts of these and other hybridizers the flowers have been increased in size and number as well as in beauty of color and form. In this centennial year, the beautiful shrimp pink variety Picardy shows every promise of being the modern gandavensis. Originated by Dr. E. F. Palmer of Vineland, Ontario, it had as its parents Emile Aubrun (Lemoine) which represents the best in the continued development of the gandavensis race, and Apricot Glow (Crow-Palmer) which exemplifies many of the best qualities of G. primulinus, the last of the South African species to be introduced successfully into gladiolus breeding.

Picardy is still one of the most popular and widely grown varieties. Shirley Temple, a daughter of Picardy developed by D. S. Pruitt of Grants Pass, Oregon, carries many of its desirable traits; a large, light cream variety blending to a pale yellow, it was introduced during the season of 1936 and has risen rapidly to stardom. New Era, a large light pink produced by Merton G. Ellis of Canby, Oregon, also has many admirers. Four varieties from New Zealand are: Rewi Fallu, a striking deep red, originated by Mr. Fallu and named at his son's request after a Maori chieftain; Takina (Burns), one of the largest flowered of all gladiolus and in color an unusual shade of violet; Milford, a large light violet, originated by Mr. Rides, and Miss New Zealand, a smoky rose developed by Miss Julyan.

The above are but a handful of the new and popular varieties of which some three thousand can be found in American gardens. Compared with the varieties of the past, they impress one with their beauty and size. The gladiolus of 1937 possesses a combination of simplicity and strength of form and color that is typical of the times. Little wonder that being colorful, beautiful of form, long-keeping in the garden and when cut, and withal, easy to grow, the gladiolus is beloved.

FALL CATALOG FREE shows 58 finest roses in full color.

2 STAR ROSES $1
for FALL PLANTING
★ Condesa de Sastago H. T. Bicolor. Copper & red. $1 each
★ Soeur Therese H.T. Yellow $1
BOTH above 2-yr. field-grown roses for $1 postpaid, ½ reg. price
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WEST GROVE 258, PA.
GUARANTEED TO BLOOM

This is the Year to Plant Bulbs *Freely*

REGAL LILIES

DAFFODILS
CROCUS
TULIPS

LAST year we were able to reduce prices and our friends bought more bulbs than ever before. Now we are glad to again offer *very low prices.*
Send Your Order Early!

Think how many you can plant this fall at these low "get-acquainted" prices, for a wonderful display in early spring!

Burpee's ★★★★ Trumpet Daffodils

FAVORITE 4-star selection—all kinds of trumpets, yellows, whites, bi-colors, mixed—guaranteed to bloom. 3 Big Bulbs 10c; 32 for $1; 100 for $3

BLOOMING size bulbs, (*formerly* 25c *each*) grown on Burpee's own Fordhook Farms. Immense, fragrant white blooms in July. Easy to grow. 3 Bulbs 25c; 7 for 50c; 15 for $1; 100 for $6.50

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DELIGHTFUL little blooms, many coming even before snow is gone. 5 Kinds—VERY SPECIAL—Blue Squills (Scilla), Giant Grape Hyacinths (deep blue), Glory of the Snow (Chionodoxa), Giant Snowdrops, Crocus (mixed colors). 50 Bulbs (10 of each) $1; 300 (60 of ea.) $5

Burpee's Crocus, All Colors Mixed 10 for 10c; 100 for $1

ALL you want at this low rate! Blue, purple, yellow, white and striped, mixed. Large bulbs.

Burpee's Large, Fragrant Hyacinths, All colors mixed . . . 12 Bulbs $1

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LARGEST bulbs: giant flowers, long stems. Many colors mixed. 5 Bulbs (all different)...... 25c; 25 for $1

All you want at these low prices–order direct from this advertisement. Your bulbs will be sent at proper planting time.

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Enclosed is $..................
Send me postpaid at your low prices, the Bulbs I have listed on attached sheet.
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GIANT TULIPS

27 choice, hardy Michigan grown bulbs—sure bloom, long stem Darwins. Our Michigan Mixture.......... $1.00
100 bulbs only $2.95.

22 finest Imported long stemmed Holland grown Darwin bulbs. Isbell's Rainbow Mixture.......... $1.00
100 bulbs only $3.90.

Orders sent postpaid. Write TODAY for **Bulbs and Perennial Plant Book — FREE.**

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Make your garden the envy of your neighbors! Send at once for this beautiful 32-page, full-color catalog featuring a special selection of the most desirable Tulip, Narcissus, Hyacinth and other Bulbs offered by the American Branch of a world-famous Dutch Bulb Grower.

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OILS
TONES
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SEND $2.50 FOR FAMOUS DUTCH RAINBOW TULIP COLLECTION GET THIS NELIS SPECIAL-*NOW*

TOP SIZE BULBS—ALL COLORS AND SHADES—NO TWO ALIKE

Truly a gorgeous collection of colorful beauty—all bulbs of full top size and guaranteed to bloom at their best next year. Many rare varieties included, as well as all colors and shades which have made the tulip an outstanding garden favorite.

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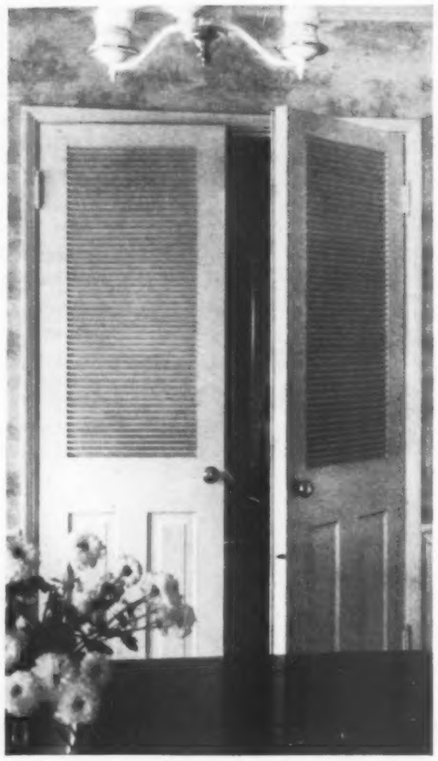
Herewith $2.50 / $4.80 —send me your Dutch Rainbow Collection of 50 / 100 Tulip Bulbs.
NOW

A gracious and lovely louvered doorway of the WESTERN PINES*

The Western Pines have given generously of their beauty to this delightful doorway.

Paneling, slatting and fluting—so finely wrought, so crisp and cameo-clear — reveal how these soft-textured woods lend themselves to the most delicate detail. And in the radiance of the enamel, the Western Pines again demonstrate the smooth luster they impart to even the lighter-colored paints.

FREE! Write for "Western Pine Camera Views" —an aid and inspiration for building or remodeling. Western Pine Association, Dept. F-42, Yeon Bldg., Portland, Ore.



***Idaho White Pine *Ponderosa Pine *Sugar Pine**

THESE ARE THE WESTERN PINES

THE PIE WAS PERFECT!
"WELL, I LIKE THE NERVE OF THAT FLY!" EXCLAIMS MRS. OLIVER. "JUST WAIT TILL I GET MY GULFSPRAYER!"
"WHY, GLADYS," OBJECTS MRS. BLAKE. "EVERYTHING IN YOUR KITCHEN WILL TASTE OF THAT STUFF."
GET UP TO DATE, MILDRED," REBUKES MRS. OLIVER, GENTLY. "I'M USING GULFSPRAY. IT'S THE SPRAY THAT DOESN'T TAINT FOOD."
"AND IT BEATS ANYTHING I EVER USED FOR KILLING FLIES. SEE, THERE'S NOT A SINGLE ONE LEFT."
MRS. OLIVER IS DEAD RIGHT. GULFSPRAY KILLS FLIES FASTER BECAUSE IT CONTAINS MORE PYRETHRINS, THE KILLING INGREDIENT."
GET GULFSPRAY— THE SPRAY THAT'S PLEASANT TO USE— AT YOUR STORE OR GULF DEALER'S. LEAVES NO ODOR— NO STAINS. HARMS NOTHING BUT BUGS. GOES FARTHER, TOO.
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$1.95 GALLON
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September, 1937

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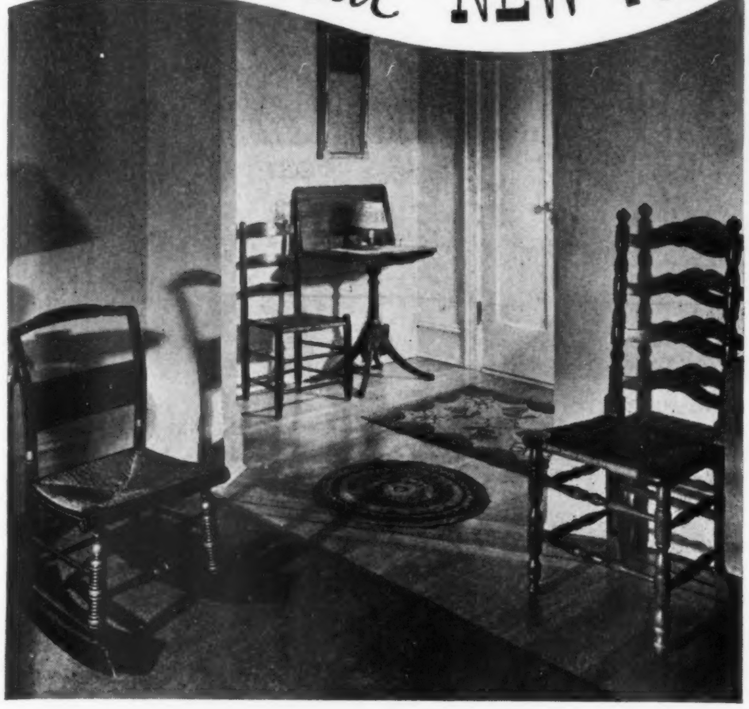
While every precaution is taken to insure accuracy, we cannot guarantee against the possibility of an occasional change or omission in the preparation of this index.

in and about NEW YORK



Being a special section
devoted to the special interests
of our New York area readers

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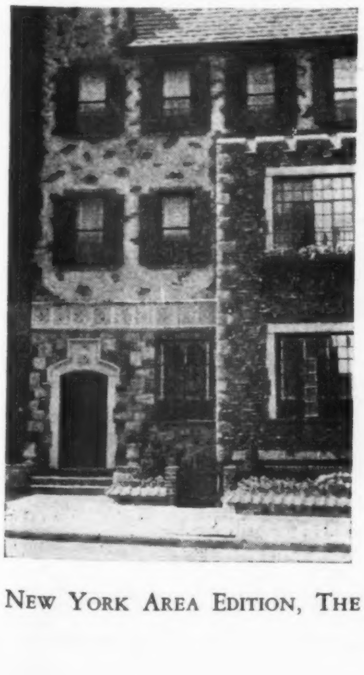
Colonial for a small apartment in Brooklyn New York

HOME OF
MRS. FRANK B. GALLAGHER



Even the casual passer-by stops to admire this remodeled brownstone house in Brooklyn that is now a modern apartment building. Mrs. Frank B. Gallagher, who has an attractive three-room apartment there, was kind enough to let us photograph and present it to you on these pages. It is a charming home done in Colonial style, with Whitney reproductions and some antiques.

The entrance hall, with its ivory walls and trim, welcomes you and makes you feel at home right away. An antique mirror in a gold frame hangs above the Duncan Phyfe drop-leaf table and reflects the rest of the hall, thus making it seem larger. A hooked rug gives pattern to the hardwood floor, and the black chair in a shiny black lacquer finish strikes a good contrast (see above).

Once in the living room, you

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YOU needn't grope around for good ideas in furnishing your home. Our decorators turn out suggestions as easily as you'd press a button! They're not above showing you short-cuts to economy if you haven't all the money in the world, and they're demons for unearthing rare old Georgian silver and first editions for homes where luxury is the first consideration. They may be doing a yacht that sails the seven seas, but all the time their weather-eye is out for bright ideas to use in a little apartment off Washington Square—and both jobs will be done with the same enthusiasm and Flint & Horner attention to fine detail.

Just as a matter of mathematics, we believe you'll find it better to talk things over with a decorator. We can make your money go farther, save you costly experiments and mistakes, and give you infinitely more satisfaction in the finished result. There is no charge for the service, and color schemes and floor plans will gladly be submitted upon request.

Planned Payments May Be Arranged.

Rooms pictured are from "The Williamsburg House," Montfort Hills, Port Washington, Long Island

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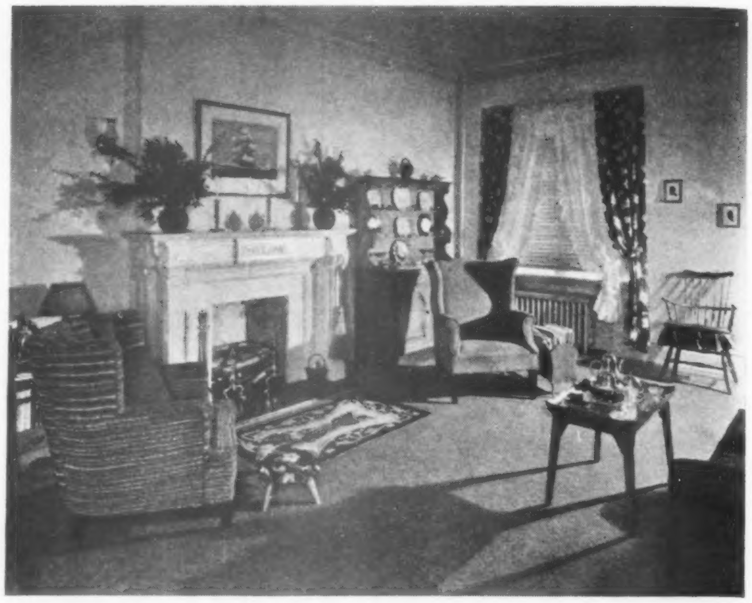
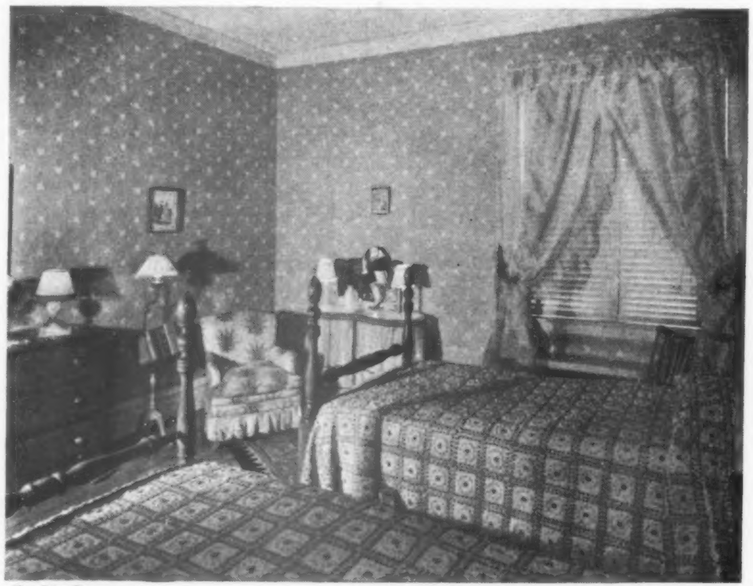


The effect of spaciousness, which is rather unusual in a city apartment, has been achieved by the careful selection of Colonial pieces

feel as though you want to stay comfortably near the fireplace and talk with the owner for a long time. The whole effect is pleasant and friendly. A chocolate brown carpet is a solid foundation for the peach walls. The windows have white Venetian blinds and dotted Swiss glass curtains that are as fresh as your first summer party dress. Over them are chintz draperies of white flowers and green leaves on a midnight blue background. The wing chair is upholstered in rust chenille with moss fringe trimming of the same color rust and brown. A barrel chair in textured homespun picks up the blue and white of the draperies. Two Currier and Ives prints and a marine print above the mantel lend personality to the room. Notice the furniture arrangement and the interesting open cupboard placed against the wall between the fireplace and the window.

Clear sky-blue, peach, and white is the dainty color scheme for the bedroom. Pale blue wallpaper with a white leaf pattern makes a charming background particularly for the window treatment—white Venetian blinds with a light frothy curtain of peach ruffled organdy, tied back by blue organdy sprays of flowers. Candlewick bedspreads of peach and blue tufts on a peach ground, and a boudoir chair upholstered in peach with blue flowers give pattern to the room without making it "busy." A white organdy skirt on the tiny dressing table is pleasing and feminine. Hooked scatter rugs on the hardwood floor are exactly right for the maple furniture. Godey prints, a few silhouettes, and crystal boudoir lamps with white ball fringe on the shades make perfect accessories. Mrs. Gallagher has in this room, as well as in the others, created a place for real living.



F. M. Demarest

Daintiness has been emphasized in the bedroom by the color scheme of sky-blue, peach, and crisp white

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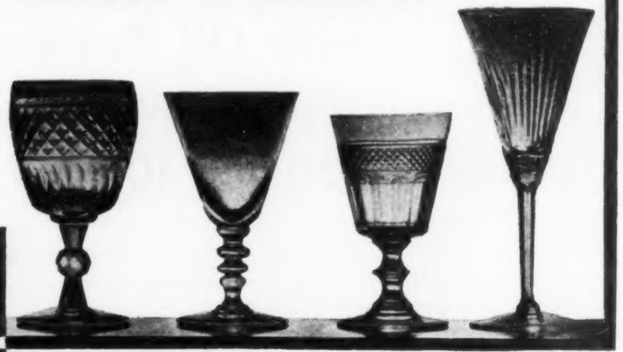

"English Clover", hand-enameled English print. Dinner plate 69c

"Ringed Georgian", traditional crystal goblet 51

Both above patterns guaranteed open stock for ten years from August 1st, 1937

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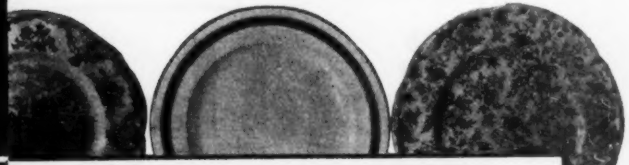

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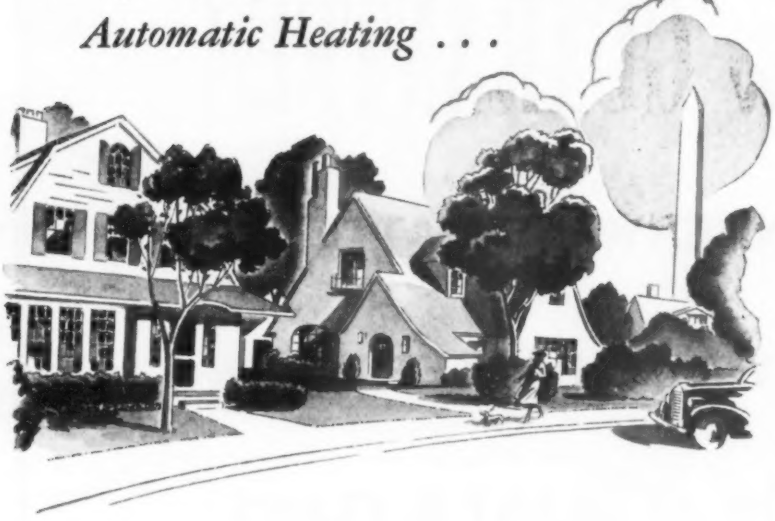

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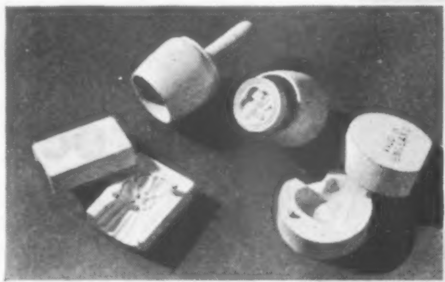
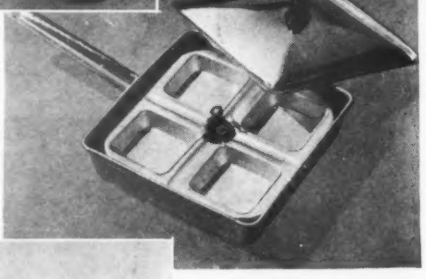
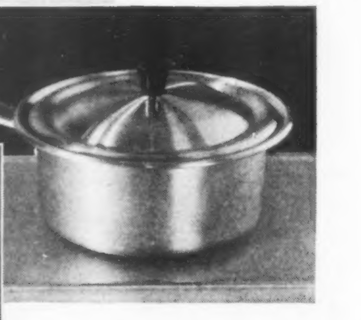




Use wooden molds, above, for molding butter into interesting shapes. Dip these iron forms, below, into thin batter, fry in deep fat, and you have timbale cases good enough for any party. From Hammacher Schlemmer

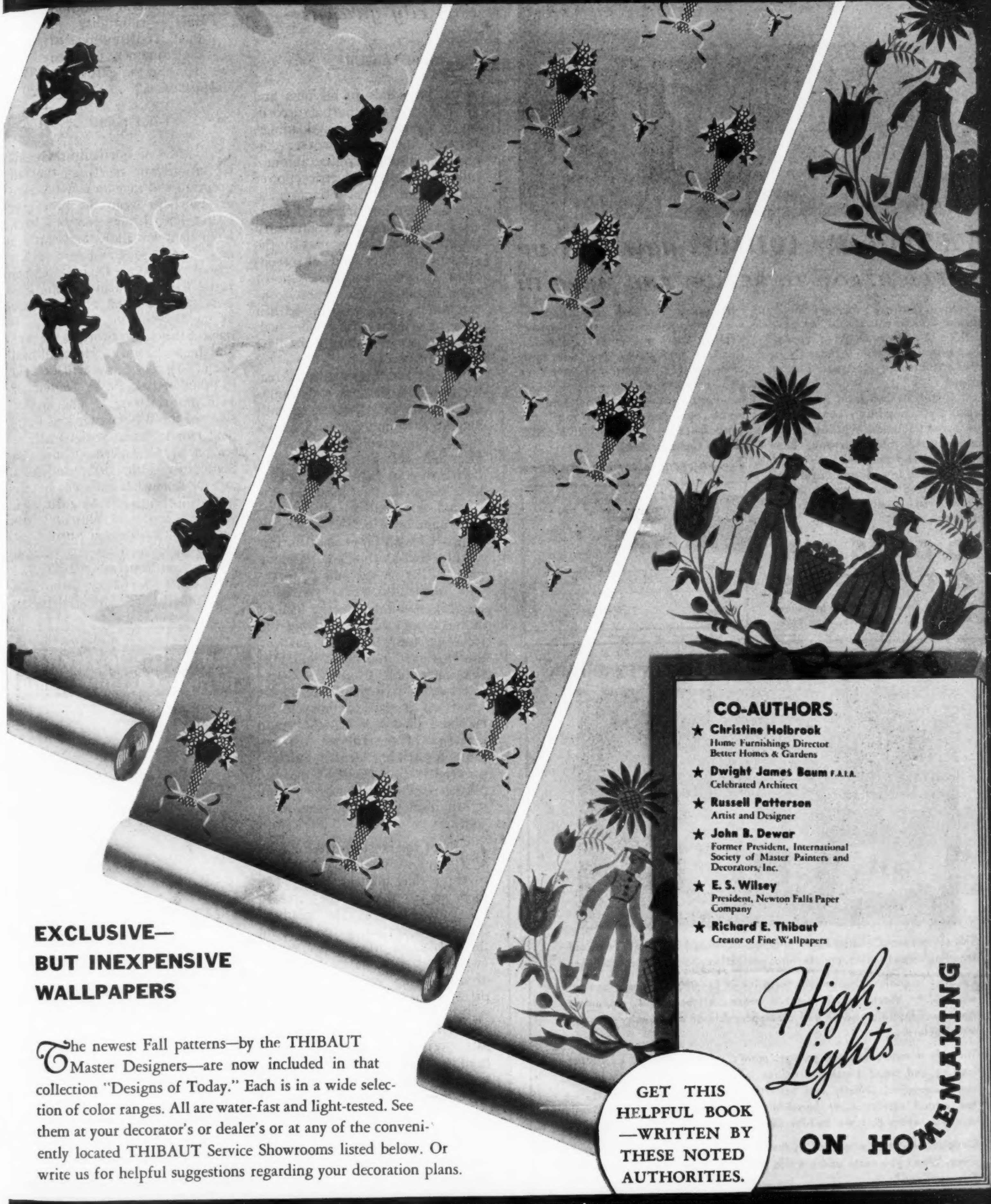
Serve "square eggs" prepared in this Mirro egg poacher from Lewis and Conger



Stainless steel sauce pan from Hammacher Schlemmer

Demarest

Macy has this new glass liquid dispenser which rests on a glass base. Lift off top, press lever, and out comes the syrup. Right: the new Proctor electric roast-grille with automatic heat control. Use it to supplement your range when space is crowded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Fall trends and city gardens

E. L. D. SEYMOUR

JUST as trends in business and industry are charted according to figures on freight loadings, farmers' and factory workers' incomes, building permits, automobile assemblies, electric power output, and all such factors, so can progress and increased interest in gardening and community beautification be measured by the statistics of other kinds of seasonal or annual phenomena. One of these is the garden owners' contest which, along with the garden club movement, has made such amazing progress during the past decade or two.

Here in the Metropolitan Area, for example, there is real significance in the fact that the seventh annual Yard and Garden Competition conducted by the New York *Herald Tribune* (actually the tenth consecutive event of its kind held in this locality) attracted this year an all-time record number of entries—8,014, as compared with 6,344 in 1936. For a full week, as this issue is being printed, the picked jury of forty-two horticultural experts (also the largest number in the history of the event) will be visiting the three or four thousand gardens that survived the initial elimination inspection. And if the experiences of past years are duplicated—as it can confidently be expected they will be—the great majority of the entries will exhibit a striking degree of improvement as a result of the application of lessons learned and information gained in the past.

ONE of the most gratifying features of these competitions, to those that manage and judge them no less than to the successful contestants, is the gradual progress of certain gardens from the ranks of the "also rans" (when first entered) to the status of runners-up or possibly first prize winners in local, then in sectional, and finally in the grand regional or sweepstakes divisions. Moreover, it has more than once been asserted that hand in hand with the winning of awards in any given community goes a steady increase in the number of enthusiastic garden owners and in the whole appearance, civic pride, and obvious prosperity of the community.

As an indication of the sort of standards that are set (and thereby raised) by the promotion of annual events of this sort, here is the score card which is used by the judges in this particular competition:

Design—layout of entire property	25
Lawn—general condition	20
Plants — suitability in their contribution to the enjoyment of those who use the garden	35
Maintenance	20
Total points	100

SPEAKING of horticultural exhibitions and meetings, the fall program will take on new life here as elsewhere about the time that Labor Day brings families back from their vacations and starts a new year of joys and sorrows for school children. On September 11th, the American Dahlia Society will sponsor a Field Day at the Connecticut State Experiment Station at Storrs . . . The Dutchess County Horticultural Society Flower Show will be held in Poughkeepsie, N. Y., September 14th and 15th . . . The annual show of the Westchester and Fairfield Horticultural Society will be staged at Greenwich, Conn., on September 28th, 29th, and 30th . . . Of somewhat different nature but still of interest to gardeners, will be a course of Thursday lectures on "Ornamental Shrubs" at the Brooklyn Botanic Garden starting on September 16th . . . Meanwhile, for those who can conveniently get to Baltimore,

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Maryland, on September 1, 2, and 3, the annual Shade Tree Conference will provide a program ranging from the highly technical to the wholly practical, but always informational.

Somehow schools for judges and exhibitors at flower shows are generally thought of as adjuncts of winter or early spring affairs, but this summer the Department of Ornamental Horticulture of the New York State College of Agriculture took advantage of a somewhat less crowded season and held such a school at Ithaca during the last two days of June and the first of July. Sixty men and women from four states attended, heard lectures on both the culture and the arrangement of garden and indoor flowers, witnessed laboratory demonstrations, met socially at dinner, and spent one day touring some of the state parks of the picturesque Finger Lake district.

THE approach of autumn brings to those who have had the foresight to include in their gardens a tree or two and some bushes the vision of bountiful crops of luscious fruit, yet here again there is always a significant, many-headed "if." Insects, if uncontrolled, may spoil perfectly legitimate plans; the weather that occurred at blossoming time may have long-delayed results, and there is also the puzzling problem of the varying compatability of different varieties of fruit as regards mutual fertilization, or rather, pollination. (Incidentally, the October issue of the AMERICAN HOME will contain an unusually interesting, revealing, and helpful article on this subject.) Still another interfering influence in apple growing is the rust disease which spreads back and forth between apple and redcedar (strictly juniper) trees, and which is exceedingly hard to control wherever both these subjects are grown in the same locality. The aim, therefore, should be to select for such places those varieties of apple that have been found resistant to the disease. Fortunately for gardeners in this region, a careful and extensive study of this problem has been made over several years by Mr. George E. Hart in his orchard at Wading River, Long Island, where he has more than one hundred varieties under test. While his experiments are not finished, he is satisfied that, at least under Long Island conditions, the following apple varieties are so highly susceptible to rust that it is inadvisable to plant them *unless* redcedar trees can be wholly exterminated from the vicinity: Red Rome, Rome Beauty, Roxbury Russet, Twenty Ounce, Wealthy, and Winter Banana.

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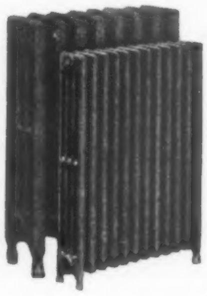
FOR THE IRON YOU NEED



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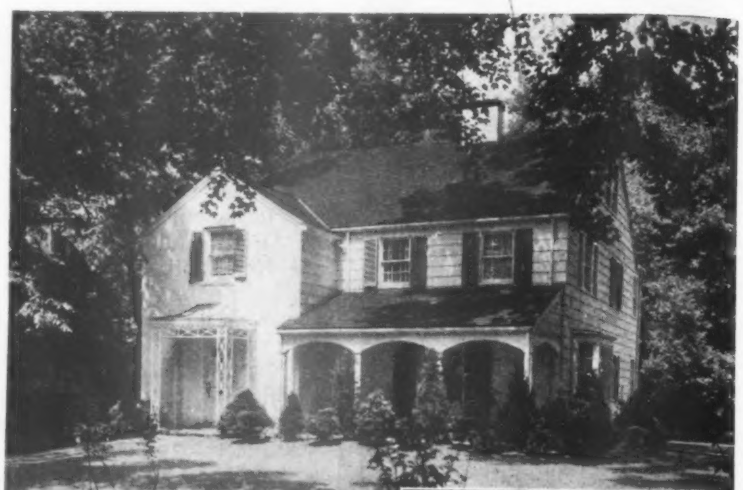
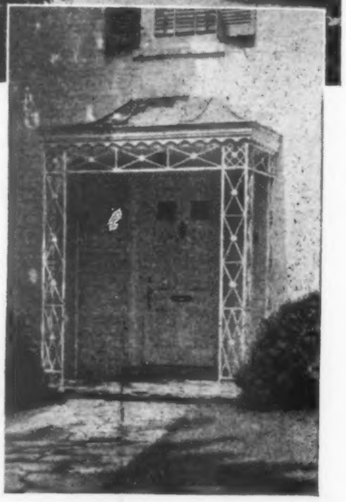


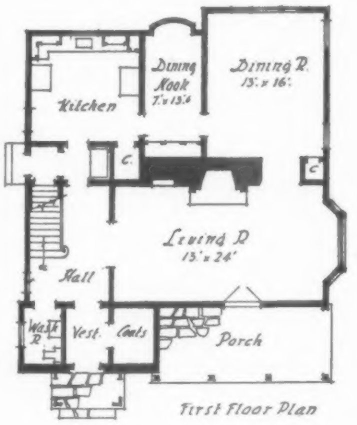


in Orange New Jersey

MARCEL VILLANUEVA
Architect

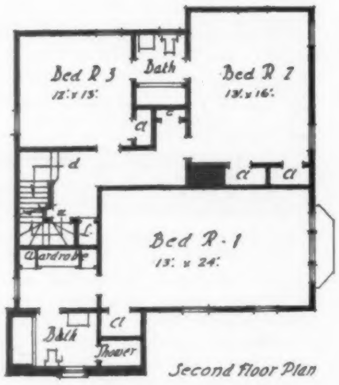
THIS house is one of simple dignity. Its decorative cast-iron entrance and grass green shutters welcome you; its stately lines and L-shaped plan lend a feeling of formality. Built in an exclusive residential section of Orange, it recalls the charm of larger and older houses which are no longer to be seen there.

As we go through the house we see that the owner, William Howe Davis, and the architect, Marcel Villanueva, have planned a real home with everything a small family could wish for. There is a large recreation room in the basement for gay times at home, while the large flagstone porch is a place to linger on warm summer evenings. A maid's room and bath and extra storage space on the third floor are important to efficient housekeeping. The living room is large and cheerful, and the small breakfast nook between the dining room and kitchen is a sunny haven for early risers. On the second floor are three bedrooms, two bathrooms, and plenty of closet space.



First Floor Plan

Throughout, the best building materials and most modern equipment have been used. It is air conditioned and has a Monel metal kitchen sink, plumbing fixtures, and brass pipes. The floors are oak finished. The foundation is concrete, the exterior walls and roof are of wood shingles, and there is a brick veneer on the gable. The interior walls have a rock lath plaster base, with wallpaper in the halls and main rooms.



Second Floor Plan

The lot is irregular in shape, with the fifty-foot frontage increasing in width toward the back, and is 160 feet deep.

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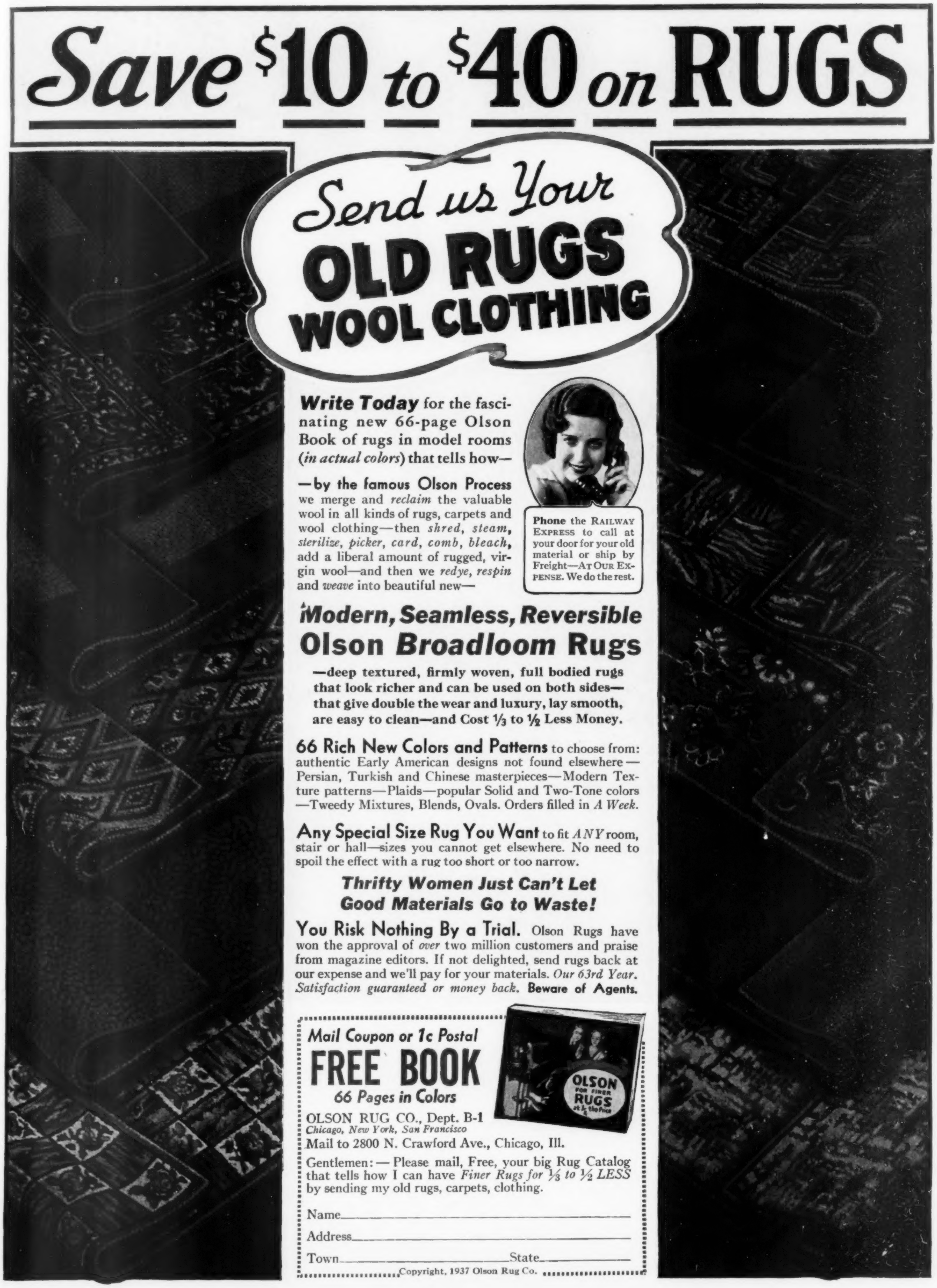
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Madeleine Carroll—for whom the sound cameras have spelled fame—should be an excellent judge of a cigarette's effect on the throat. Her choice of Luckies will bear even more weight if you consider this fact . . . the "Toasting" Process takes out certain throat irritants found in all tobacco. You, too, will enjoy the smoothness and the finer taste of Luckies.

Walter Wanger star in David O. Selznick's new picture "THE PRISONER OF ZENDA"

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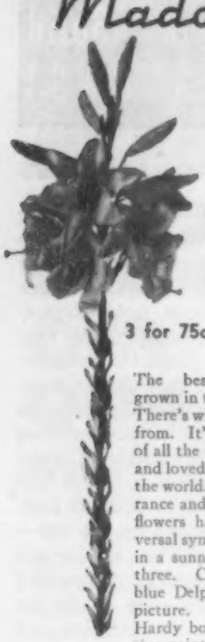
Enjoy the finer taste of Center-Leaf Tobaccos–"The Cream of the Crop"



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3 for 75c 12 for $2.50

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Wayside Gardens

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Reg. U. S. Pat. Office

Colorful, beautiful of form, long-keeping both in the garden and when cut—no wonder the gladiolus is such a universal favorite

The gladiolus has a centennial

A. M. S. PRIDHAM

IF YOU have observed, this year, an even keener interest than usual in the popular and important gladiolus, "there's a reason." For 1937 marks the one hundredth anniversary of the development of what may be called the modern gladiolus, and the event has been recognized in connection with a series of colorful displays that have been or are being held throughout the world. They began as early as January in New Zealand and Australia where the gladiolus holds a place of distinction and high repute, and during the summer the festivals have continued in Europe and in America where some twenty exhibitions, scheduled under the auspices of various local, state, and national organizations, have brought out the achievements of thousands of gardeners.

The gladiolus has long been a flower of European gardens where it was originally grown as a native plant prized for "strewing." The introduction, 300 years ago, of the South African species paved the way for future development, but the origination of Gladiolus gandavensis in 1837 was the first step in the creation of the flower as we know it today. This improved and distinctive hybrid, named in honor of the city of Ghent, was originated by M. Beddinghaus, at Enghein, France, in the summer of 1837. It was purchased and, in 1841, introduced by the famous horticulturist Louis Van Houtte, who said of it: "In stateliness and color it exceeds all we have seen among gladioli. Its dimensions surpass those of G. ramosus; its majestic flowers to the number of eighteen or twenty are of the most charming vermilion; their inferior petals, adorned with chrome, amaranth, and brown, are relieved by anthers of an azure blue which descends to the center of the flower. At the moment I write, all Ghent comes to admire it."

Van Houtte considered it a hybrid between G. psittacinus and G. cardinalis. Others have felt that G. oppositiflorus rather than G. cardinalis was one of the

ENJOY THE THRILL OF A

Beautiful Lawn

THERE'S something about a beautiful lawn that inspires pride... that gives the garden lover a feeling of real accomplishment.

You, too, can have a lawn that stays fresh and green all summer, that is free from brown spots and requires a minimum of attention—if you build your lawn on a sound soil foundation now.

September is the best month for building new lawns and renovating old ones. The nights are cool, the precipitation of dew is heaviest, and the grass has an opportunity to become firmly rooted before it must fight crab grass and weeds next spring.

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Just pin a dollar bill to this ad, write name and address on the margin, mail to us and we'll send you the bulbs. Safe delivery guaranteed. Order now. Offer will not be repeated.

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The loveliest of the white lilies, especially effective growing with delphiniums.
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BOOK
1937

All the newer and better HYACINTHS TULIPS NARCISSUS CROCUS and other bulbs for Fall planting. Illustrated in color. A wonderful reference book.
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504 MARKET STREET

MICHELL'S SEED HOUSE
Philadelphia, Pa.

parents and the matter has never been settled to the satisfaction of all concerned. Whatever its ancestry, G. gandavensis was the foundation of a new race which included probably some 2,000 varieties and which was used extensively in further breeding and continued improvement by such specialists as Lemoine of France, Leichtlin of Germany and James Kelway of England. Through the efforts of these and other hybridizers the flowers have been increased in size and number as well as in beauty of color and form. In this centennial year, the beautiful shrimp pink variety Picardy shows every promise of being the modern gandavensis. Originated by Dr. E. F. Palmer of Vineland, Ontario, it had as its parents Emile Aubrun (Lemoine) which represents the best in the continued development of the gandavensis race, and Apricot Glow (Crow-Palmer) which exemplifies many of the best qualities of G. primulinus, the last of the South African species to be introduced successfully into gladiolus breeding.

Picardy is still one of the most popular and widely grown varieties. Shirley Temple, a daughter of Picardy developed by D. S. Pruitt of Grants Pass, Oregon, carries many of its desirable traits; a large, light cream variety blending to a pale yellow, it was introduced during the season of 1936 and has risen rapidly to stardom. New Era, a large light pink produced by Merton G. Ellis of Canby, Oregon, also has many admirers. Four varieties from New Zealand are: Rewi Fallu, a striking deep red, originated by Mr. Fallu and named at his son's request after a Maori chieftain; Takina (Burns), one of the largest flowered of all gladiolus and in color an unusual shade of violet; Milford, a large light violet, originated by Mr. Rides, and Miss New Zealand, a smoky rose developed by Miss Julyan.

The above are but a handful of the new and popular varieties of which some three thousand can be found in American gardens. Compared with the varieties of the past, they impress one with their beauty and size. The gladiolus of 1937 possesses a combination of simplicity and strength of form and color that is typical of the times. Little wonder that being colorful, beautiful of form, long-keeping in the garden and when cut, and withal, easy to grow, the gladiolus is beloved.

FALL CATALOG FREE shows 58 finest roses in full color.

2 STAR ROSES $1 for FALL PLANTING
★ Condesa de Sastago H. T. Bicolor. Copper & red. $1 each
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BOTH above 2-yr. field-grown roses for $1 postpaid, ½ reg. price
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WEST GROVE 258, PA.
GUARANTEED TO BLOOM

This is the Year to Plant Bulbs *Freely*

LAST year we were able to reduce prices and our friends bought more bulbs than ever before. Now we are glad to again offer *very low prices.*
Send Your Order Early!

Think how many you can plant this fall at these low "get-acquainted" prices, for a wonderful display in early spring!

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CROCUS
TULIPS
REGAL LILIES

Burpee's ★★★★ Trumpet Daffodils
FAVORITE 4-star selection—all kinds of trumpets, yellows, whites, bi-colors, mixed—guaranteed to bloom.
3 Big Bulbs 10c
32 for $1
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BLOOMING size bulbs (*formerly* 25c each) grown on Burpee's own Fordhook Farms. Immense, fragrant white blooms in July. Easy to grow.
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DELIGHTFUL little blooms, many coming even before snow is gone. 5 Kinds—VERY SPECIAL—Blue Squills (Scilla), Giant Grape Hyacinths (deep blue), Glory of the Snow (Chionodoxa), Giant Snowdrops, Crocus (mixed colors).
50 Bulbs (10 of each) $1
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Burpee's Crocus, All Colors Mixed
ALL you want at this low rate! Blue, purple, yellow, white and striped, mixed. Large bulbs.
10 for 10c
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Burpee's Large, Fragrant Hyacinths, All colors mixed . . . 12 Bulbs $1

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LARGEST bulbs: giant flowers, long stems. Many colors mixed.
5 Bulbs (all different) 25c
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All you want at these low prices—order direct from this advertisement. Your bulbs will be sent at proper planting time.

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OILS
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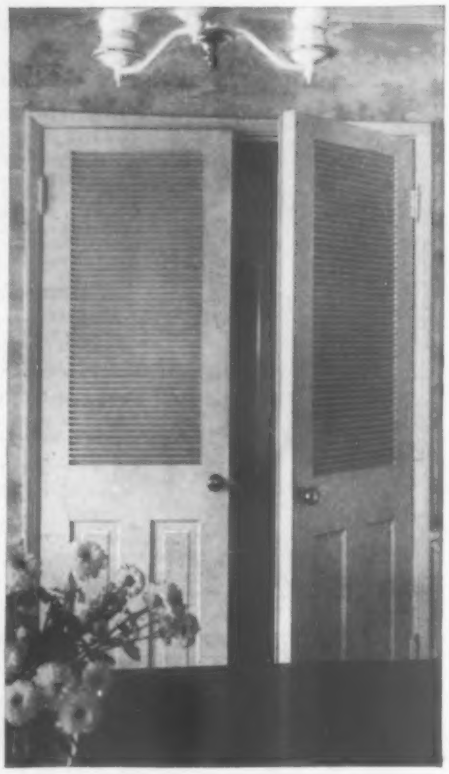
A gracious and lovely louvered doorway of the WESTERN PINES*



The Western Pines have given generously of their beauty to this delightful doorway.

Paneling, slatting and fluting—so finely wrought, so crisp and cameo-clear — reveal how these soft-textured woods lend themselves to the most delicate detail. And in the radiance of the enamel, the Western Pines again demonstrate the smooth luster they impart to even the lighter-colored paints.

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THESE ARE THE WESTERN PINES

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"WELL, I LIKE THE NERVE OF THAT FLY!" EXCLAIMS MRS. OLIVER. "JUST WAIT TILL I GET MY GULFSPRAYER!"
"WHY, GLADYS," OBJECTS MRS. BLAKE. "EVERYTHING IN YOUR KITCHEN WILL TASTE OF THAT STUFF."
"GET UP TO DATE, MILDRED," REBUKES MRS. OLIVER, GENTLY. "I'M USING GULFSPRAY. IT'S THE SPRAY THAT DOESN'T TAINT FOOD."
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MRS. OLIVER IS DEAD RIGHT. GULFSPRAY KILLS FLIES FASTER BECAUSE IT CONTAINS MORE PYRETHRINS, THE KILLING INGREDIENT.
GET GULFSPRAY—THE SPRAY THAT'S PLEASANT TO USE—AT YOUR STORE OR GULF DEALER'S. LEAVES NO ODOR—NO STAINS. HARMS NOTHING BUT BUGS. GOES FARTHER, TOO.
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THE SURER INSECT KILLER
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